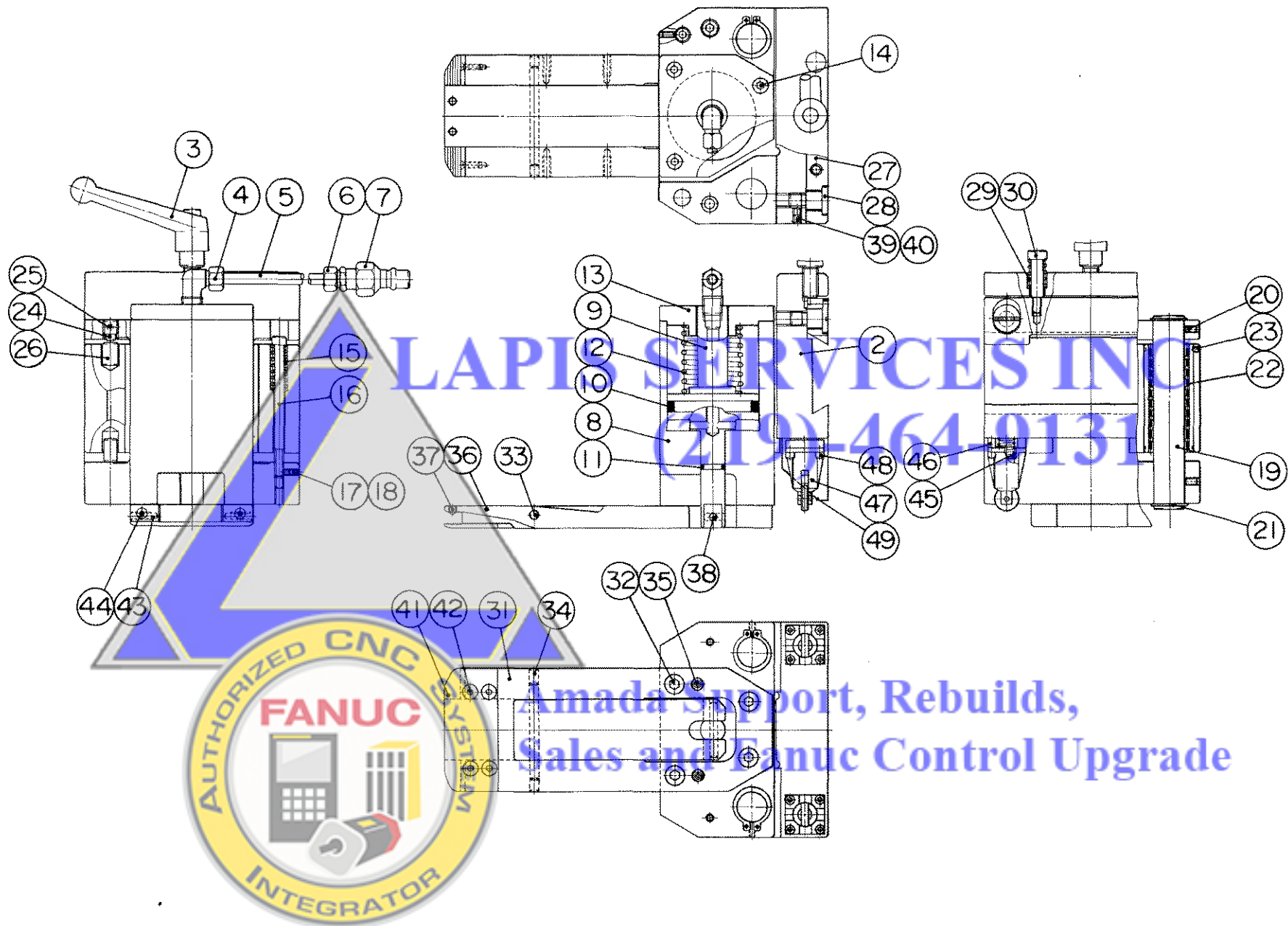


Unit No.06
Clamp

From serial No.03670013 and after.

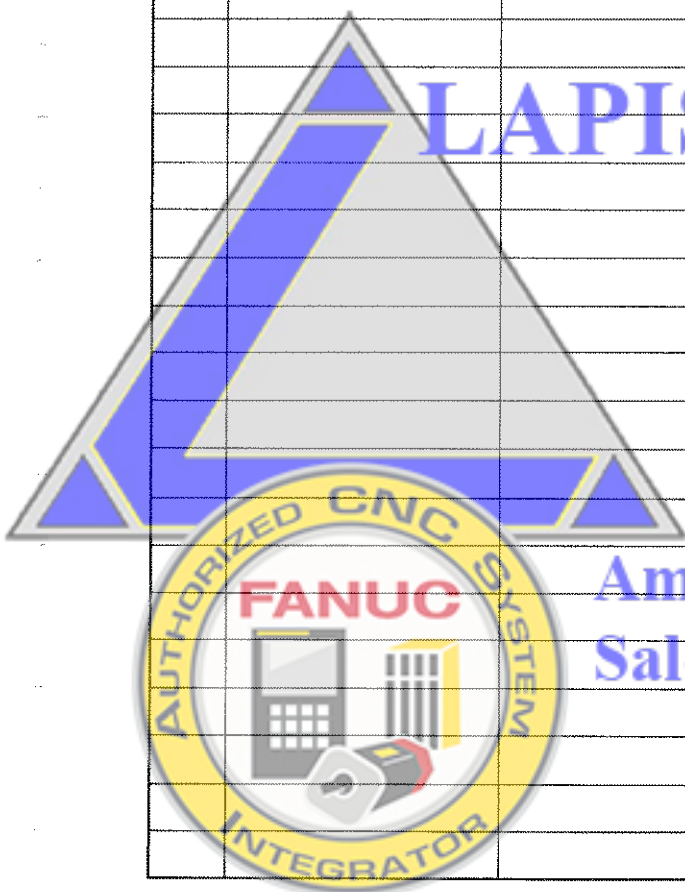


Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74304622	Clamp ass'y	826180d	2	
2	74303511	Clamp housing	826181a	2	
3	74305232	Clamp laver	KR10 x 20	2	
4	74305520	Elbow	B-6 x 4-PT 1/4-BS	2	
5	74305304 (75169501)	Tube	30-06 (1M)	2	
6	74304832	Nipple	A-6 x 4-PT 1/4-BS	2	
7	74305411	Coupler	20PF (1/4)	2	
8	74303508	Cylinder	826183b	2	
9	74303513	Piston	826184b	2	
10	74305202 (10317120)	O-ring	P-50A	2	
11	74305204 (36110501)	O-ring	P-16	2	
12	74303726 (74161330)	Spring	806005	2	
13	74303522	Cylinder cap	826188	2	
14	74300604	Cap screw	M6 x 15	8	
15	74303505	Hanging spring	826218	4	
16	74304907	Cap screw	M6 x 85	4	
17	74303816	Insert	806073	4	
18	74305514	Set screw (flat end)	M6 x 6	4	
19	74303526	Stroke shaft	826187	4	
20	74306405	Set screw (cup end)	M6 x 6	8	
21	74305214 (10001102)	Snap ring	STW-20	8	
22	74303528	Stroke bearing	6010232	4	
23	74305501 (74353901)	Set screw (cone end)	M4 x 4	4	
24	74305509	Set screw (dog end)	M10 x 14	4	
25	74306405	Set screw (cup end)	M6 x 6	4	
26	74303731	Cushion	806009	8	
27	74304608	Lock plate	816004a	2	
28	74304611	Pressure pin	816005b	4	
29	74304614	Release spring	816006	4	
30	74304022	Stripper bolt	STO8 x 25	4	
31	74303516	Clamp base	826189a	2	
32	74302817 (73157630)	Cap screw	M8 x 15	8	
33	74303808	Straight pin	Φ6h7 x 63	2	
34	74305515	Set screw (cone end)	M8 x 8	2	
35	74303811	Straight pin (with screw)	Φ10m6 x 28	4	
36	74303517	Clamper	826227a	2	
37	74305513	Set screw (cone end)	826186	4	
38	74303803	Straight pin	Φ5m6 x 36	2	
39	74303816	Insert	806073	4	
40	74305504 (10322119)	Set screw	M6 x 6	4	

Unit No. 05

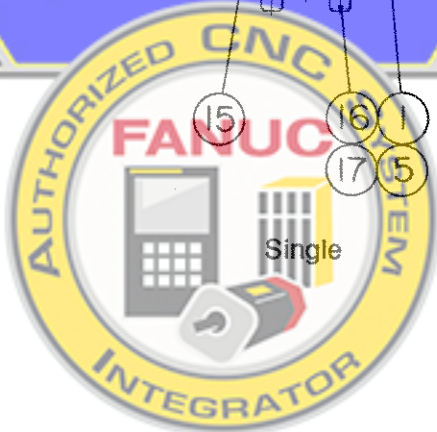
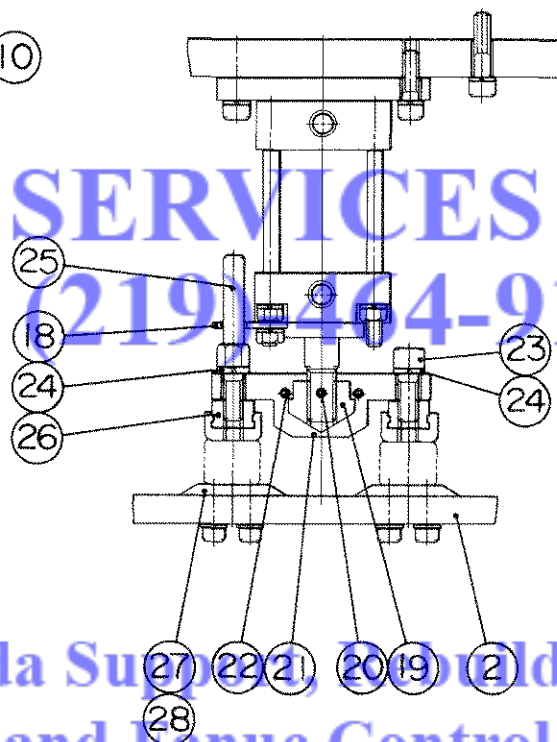
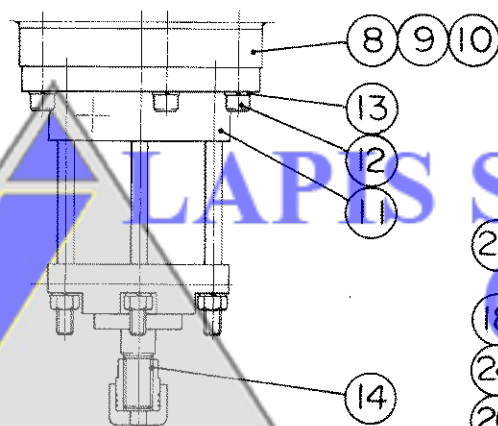
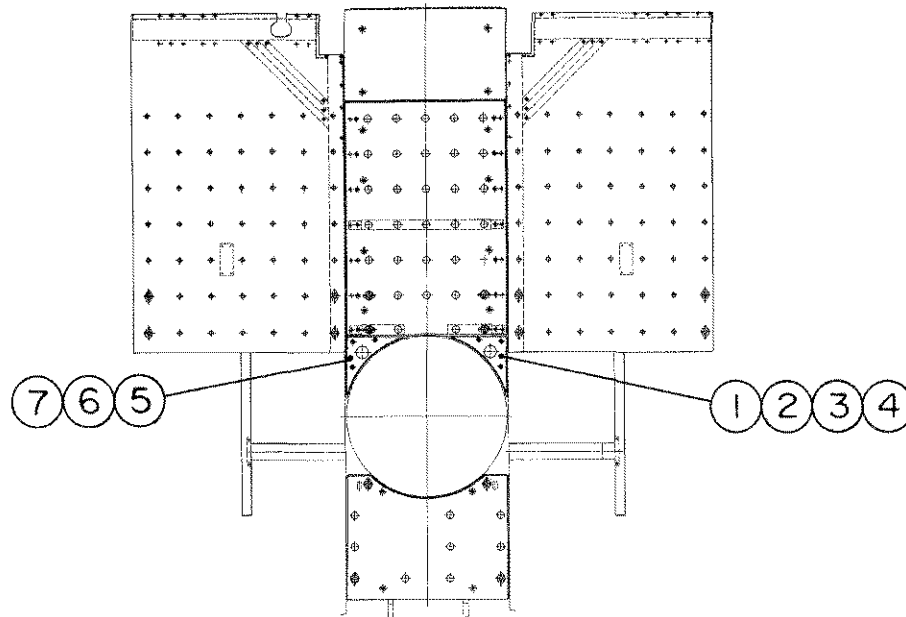
Y-axis slide

From serial No.03670013 and after.

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Amada Supply Builds,
Sales and Fanuc Control Upgrade

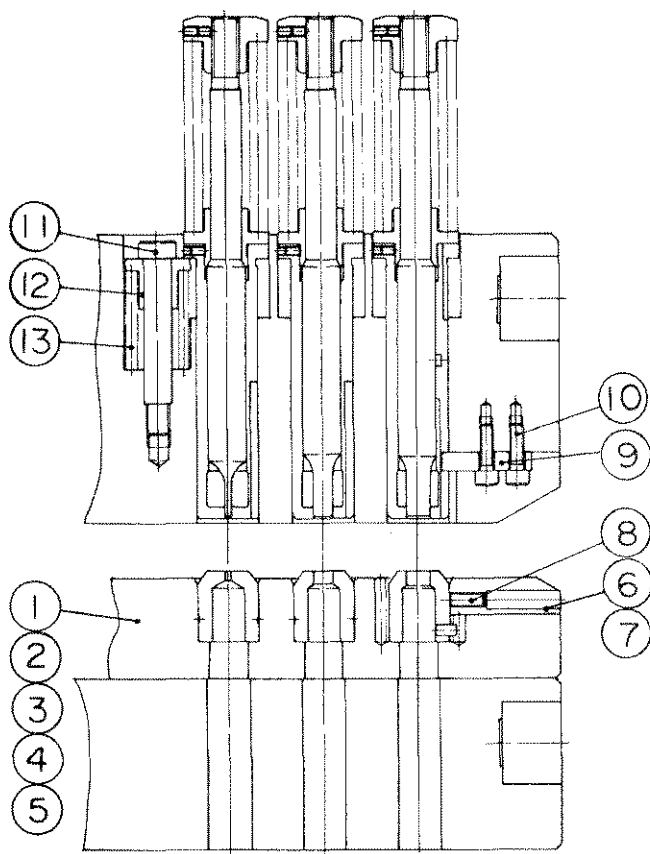
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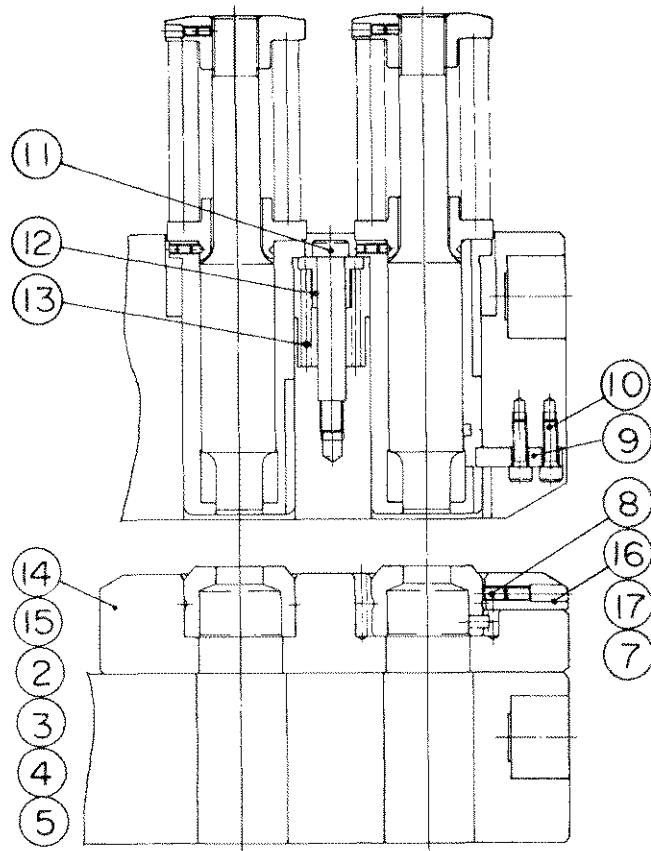
*Parentheses in Q'ty indicate the quantity used in 44-station turret

Unit No.08
Tool holder

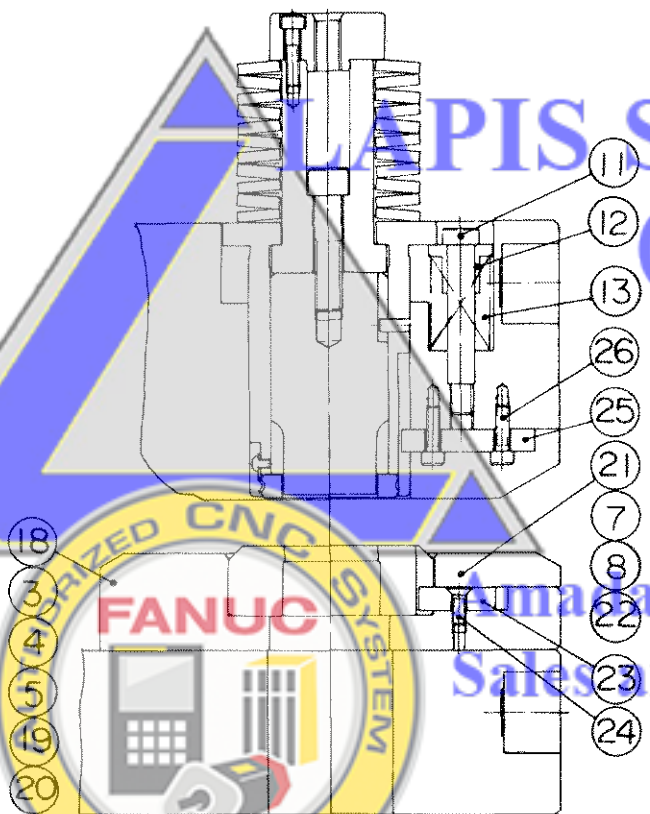
From serial No.03670013 and after.



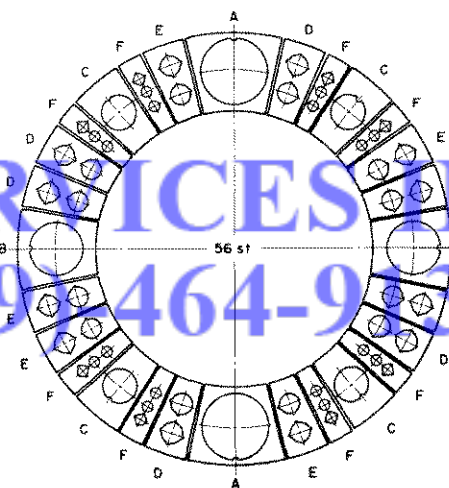
1/2"-56st



1-1/4"-56st



2"-56st



Symbol	Size	Die holder	Die spacer	Q'ty
A	4-1/2"	36	37	2
B	3-1/2"	27	31	2
C	2"	18	21	4
D	1-1/4"	14	16	6
E	1-1/4"	15	17	6
F	1/2"	1	6	8

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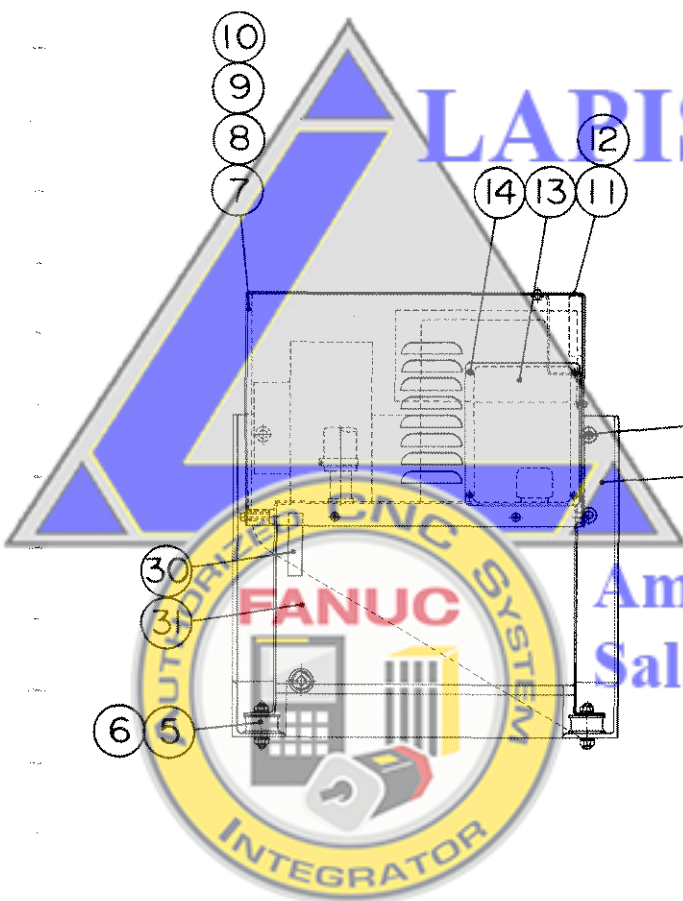
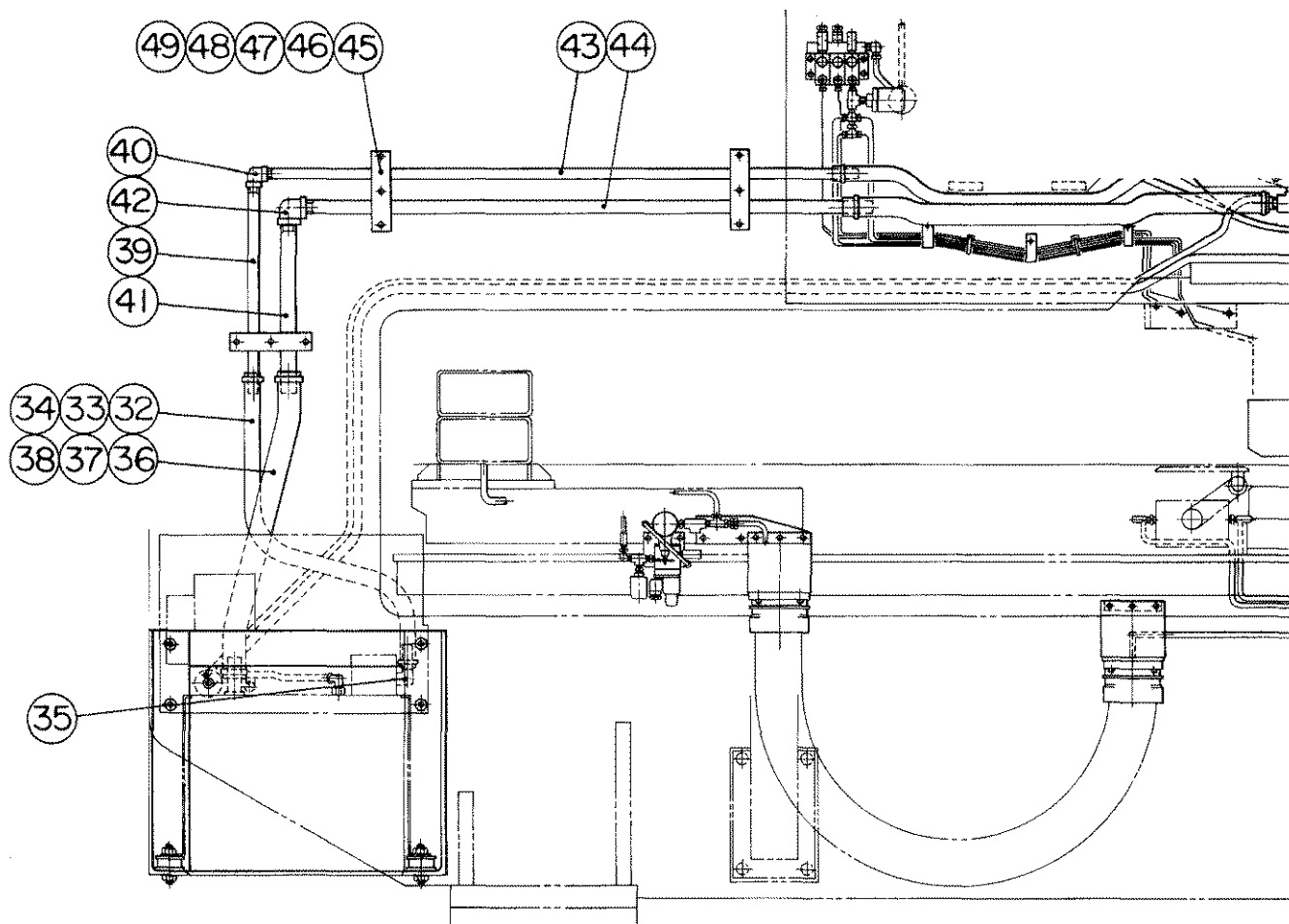


Unit No. 08

Tool holder

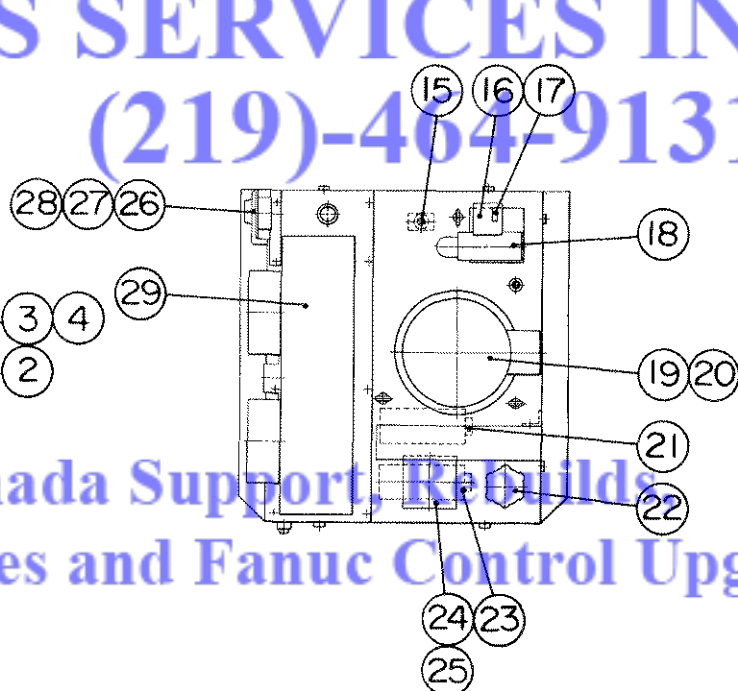
From serial No.03670013 and after.

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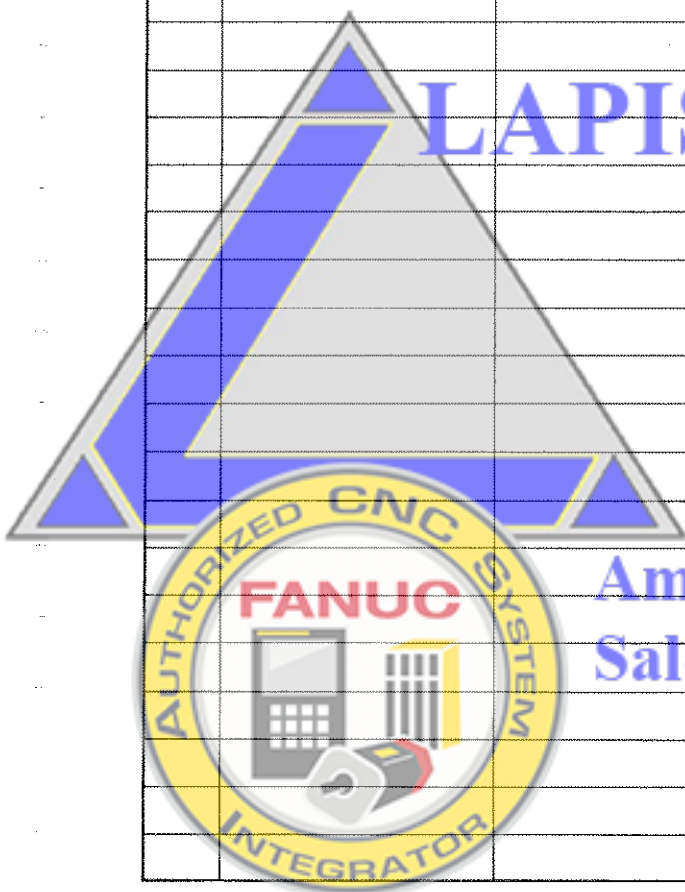
ARROW "A"

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74309250	Hydraulic power unit	7931057	1	
2	74309244	Bracket	6013820	1	
3	59157426	Cap screw	M16 x 30	4	
4	74302902	Spring washer	M16	4	
5	74309247	Rubber cushion	6013821	4	
6	74301827 (10555324)	Nut	M12 (type 1)	4	
7	74309255 (74337841)	Unit cover	6013827f	1	
8	74314411	Cap screw	M8 x 50	2	
9	74300605 (36329937)	Cap screw	M8 x 10	4	
10	74300145 (74325307)	Sticker (don't lift)	810649	1	
11	74309254	Unit cover (2)	817729a	1	
12	74302812	Cap screw	M6 x 10	4	
13	74309256 (74337842)	Oil filler port cover	6013829	1	
14	74302812	Cap screw	M6 x 10	4	
15	74310701	Stop valve	T-02AT-330	1	
16	74310703	Pressure switch	TDZ-3F	1	
17	74310705	Check valve	S10A1-0-998-0 (0.5 ^k)	1	
18	74310707	Unload relief valve	DA10-2-A0/80-998-0	1	
19	74310709	Gear pump	OPG-DT-PF 1/4 Φ60 x 150k	1	
20	74310711	Induction motor	2.2 kw 4P	1	
21	74310713	Suction filter	MST-04-100μ (#150)	1	
22	74310715	Air breather	MSA-C50T-P	1	
23	74310717	Suction filter	MST-06-100μ (#150)	1	
24	74310719	Line filter	UCF-E03-10μ	1	
25	74310150	Filter element	U03-010P	4	
26	74310721	Pressure gauge		1	
27	74310723	Pressure gauge	DU-PF 1/4 Φ60 x 10 ^k	1	
28	74310725	Thermo-switch	ALS-C1090C	1	
29	74310727	Heat exchanger	CLX-24	1	
30	74310729	Oil level gauge	8 ^d -80 ^h	1	
31	74310731	Oil reservoir	60 L	1	
32	74310236	Rubber hose	JA112 L=1000	1	
33	74309358 (74522602)	Hose joint (1/2")	6013563b	1	
34	74310243 (74339018)	Hose band	#1	2	
35	74309829	Male-female elbow	STE-PT 1/2"	1	
36	74310238	Rubber hose (1")	JA120 L=750	1	
37	74309359 (74338029)	Hose joint	6013654b	1	
38	74310244 (74339017)	Hose band	#2A	2	
39	74309343	Pipe 1/2" (A)	817780	1	
40	74309924	Elbow	1/2"	1	

Unit No. 09

Hydraulic and pneumatic piping

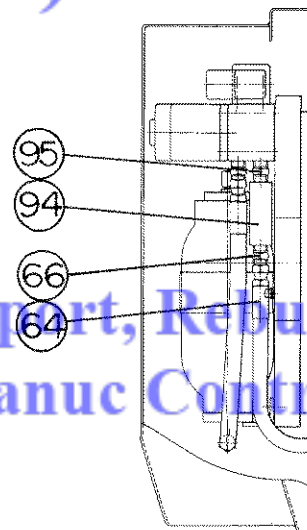
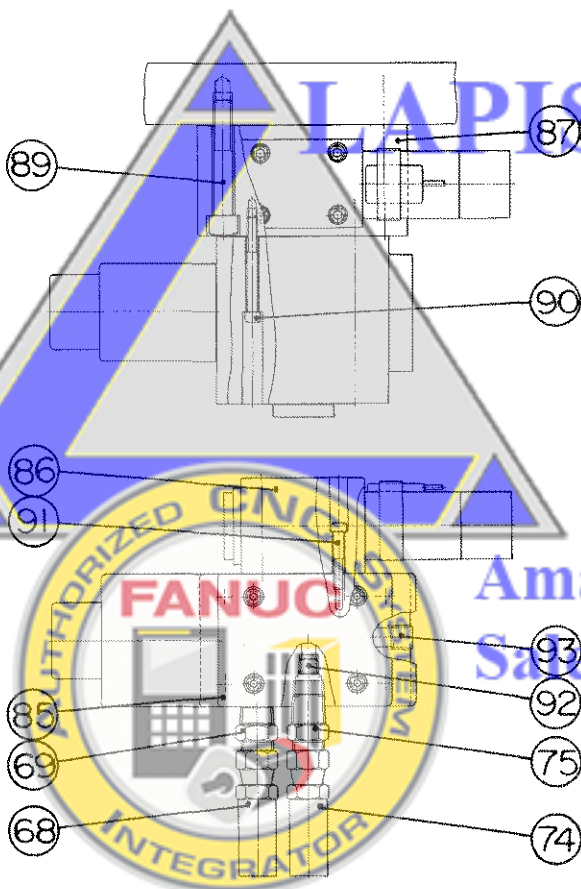
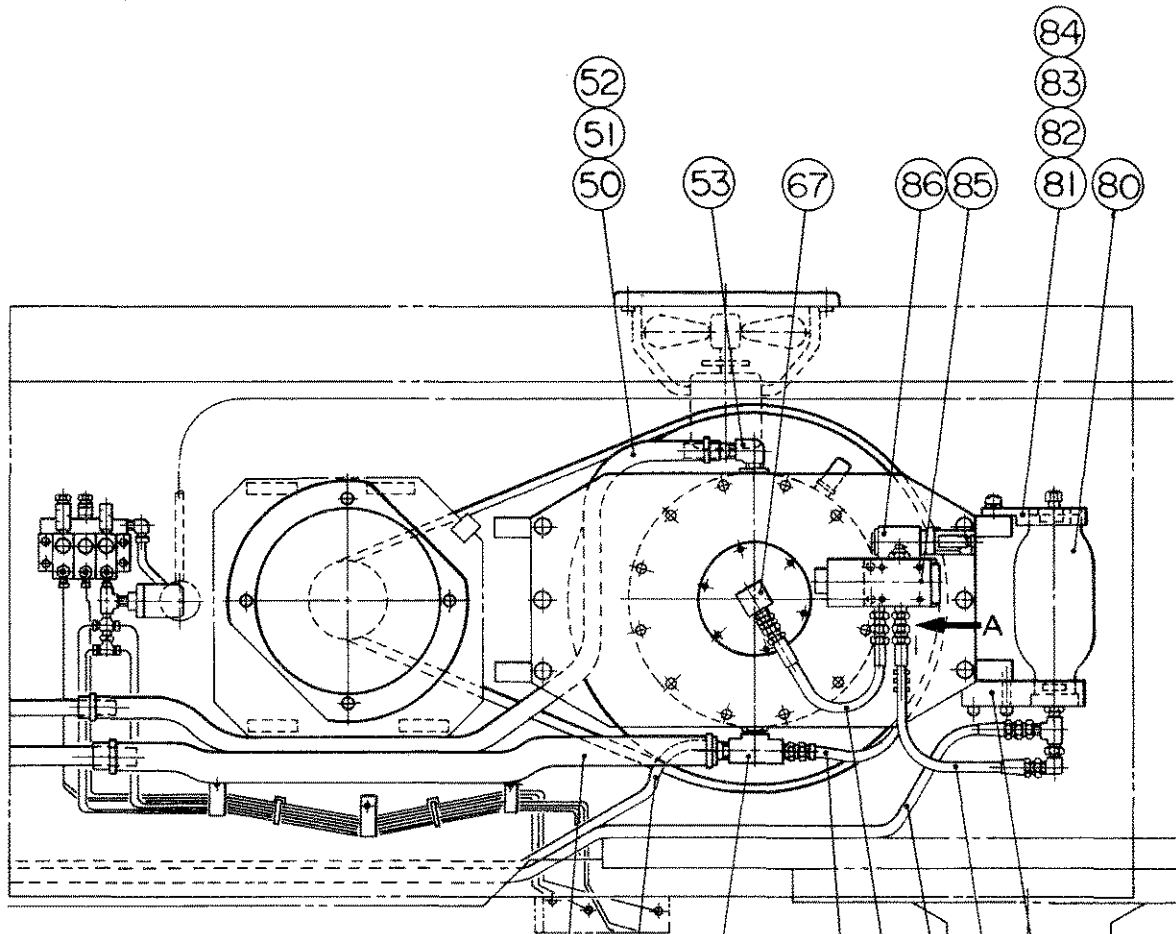
From serial No.03670013 and after.

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Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

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ARROW "A"

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
50	74310237	Rubber hose	JA112 L=1400	1	
51	74309358 (74522602)	Hose joint (1/2")	6013653b	1	
52	74310243 (74339018)	Hose band	#1	2	
53	74309826 (74162611)	Male-female elbow	1/2"	1	
54	74310238	Rubber hose (1")	JA120 L= 950	1	
55	74309359 (74338029)	Hose joint	613654b	1	
56	74310244 (74339017)	Hose band	#2A	2	
57	74310324	Tee	1"	1	
58	74309917	Barrel nipple	1"	1	
59	74310214 (21104233)	Tube	N2-4-10 x 8 L= 5000	1	
60	74310015	Elbow	4E32-3004	1	
61	74310014	Connector	4E01-3004	1	
62	74310256	Band	PLT21	4	
63	74309806	Cap screw	M8 x 70	4	
64	74310235	Hose	JLW-06 L= 310	1	
65	74309906	Bushing	1" x 3/8"	1	
66	74310512 (36115917)	Adapter	3001F06	2	
67	74309663 (74338014)	Elbow	6013659	1	
68	74310260	Hose	F506 L= 450	1	
69	74310512 (36115917)	Adapter	3001F06	2	
70	74310262	Hose	F506 L= 5300	1	
71	74310512 (36115917)	Adapter	3001F06	2	
72	74310333	Tee	STA03-000J	1	
73	74309942	Nipple	SNP03-000J	1	
74	74310261 (74310261)	Hose	F506 L= 450	1	
75	74310512 (36115917)	Adapter	3001F06	1	
76	74310513 (74338610)	Adapter	302106	2	
77	74309236	Accumulator support (A)	6013907	1	
78	74302820	Cap screw	M12 x 35	2	
79	74304914	Cap screw	M12 x 55	4	
80	74309228	Accumulator	7951134b	1	
81	74309237	Accumulator support (B)	6013908a	1	
82	74302820	Cap screw	M12 x 35	4	
83	74301615 (44028619)	Spring washer	M12	2	
84	44028618	Washer	M12	2	
85	74310136	Solenoid valve	3WE10A-AD/ AW100-00NPL	1	
86	74310137	Solenoid valve	4WE6Y-A0/ AG24NZ4-956-0	1	
87	74309655 (74338020)	Solenoid valve block	6013915a	1	
88	74309817 (10465810)	Plug	1"	2	
89	74304959	Cap screw	M10 x 75 (unbrako)	4	

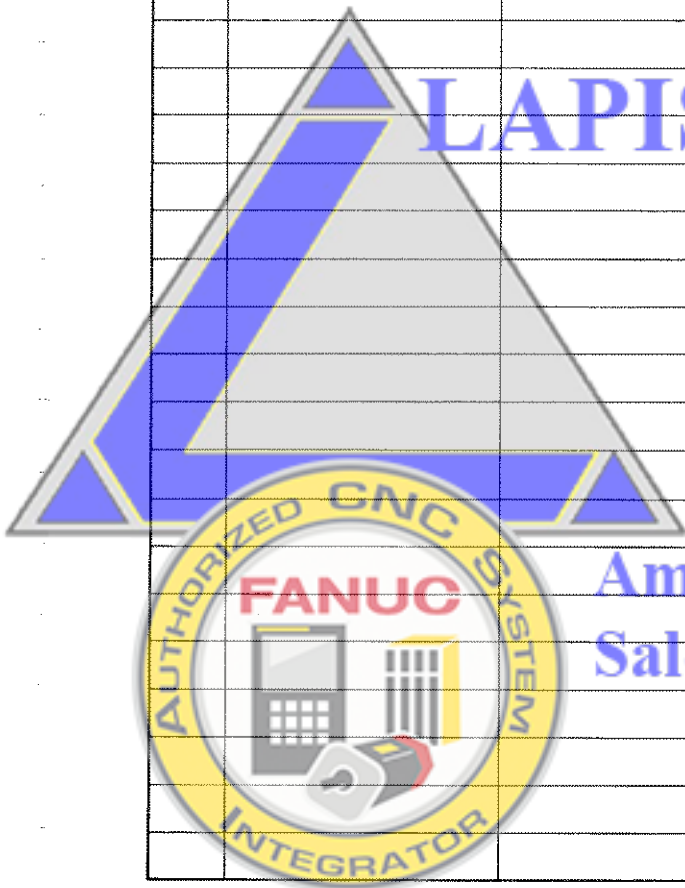
6836
55.00

50.00

63.00

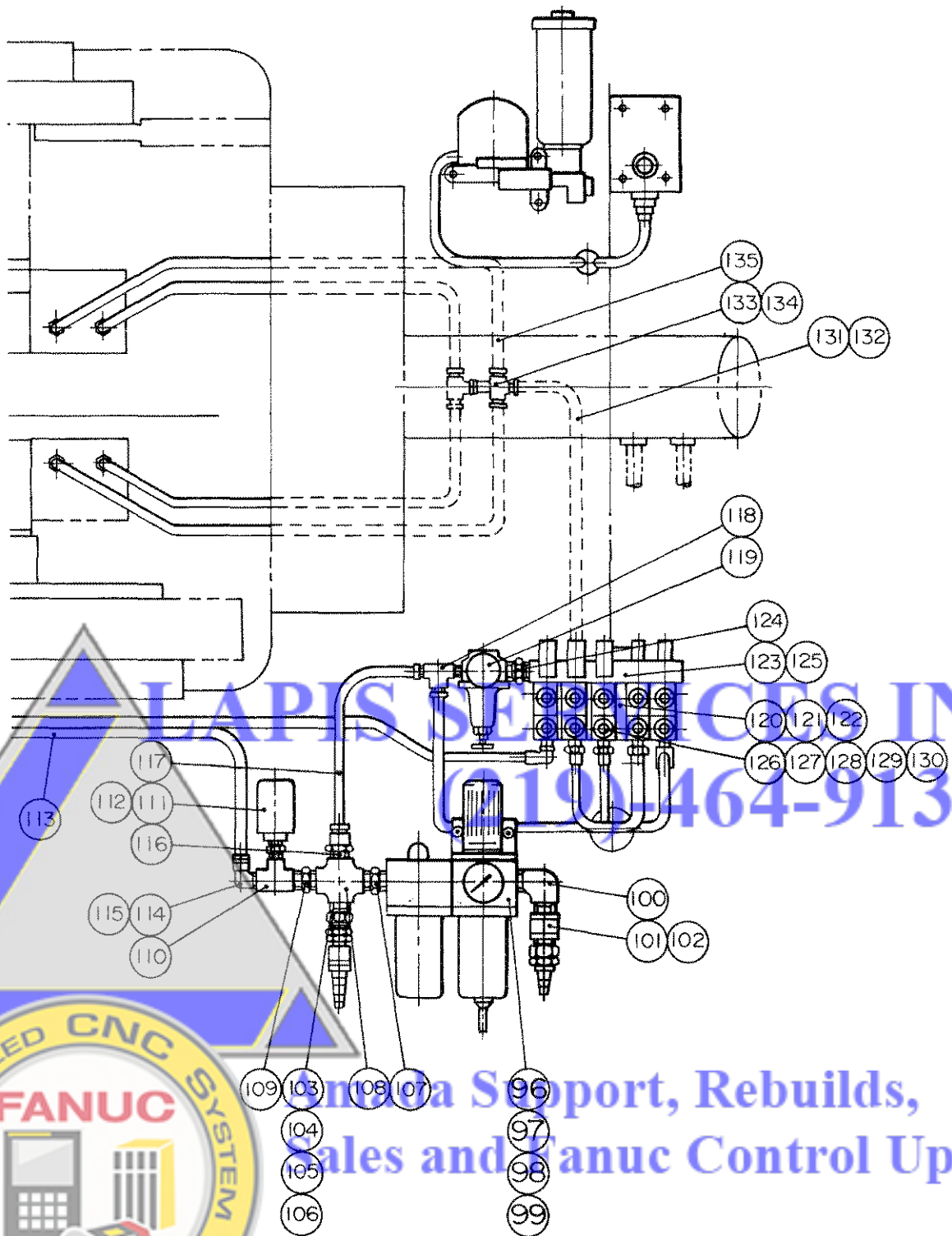
Unit No. **09**
Hydraulic and pneumatic piping

From serial No.03670013 and after.

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Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

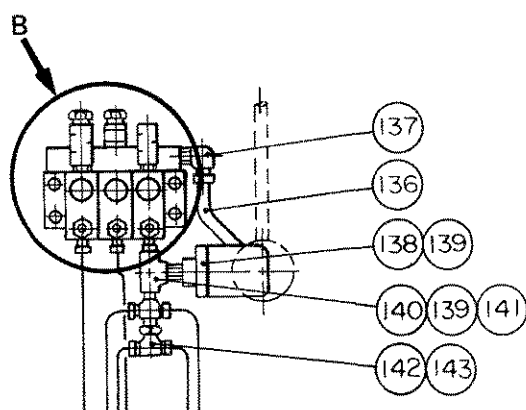
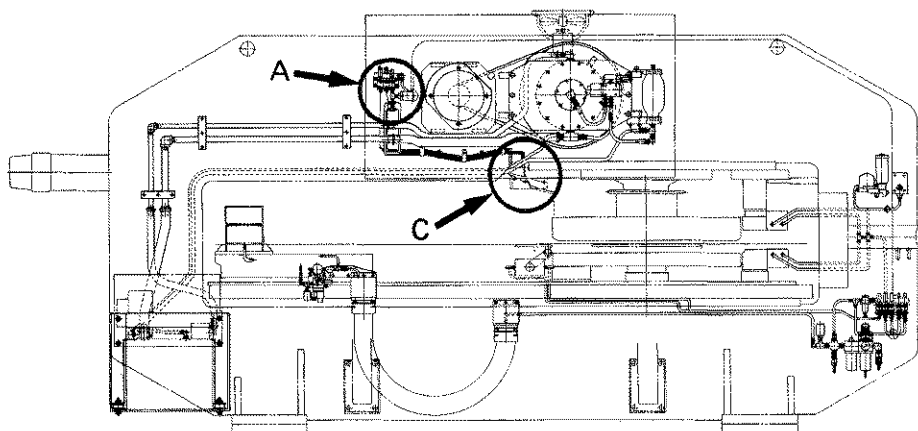


Unit No. 09

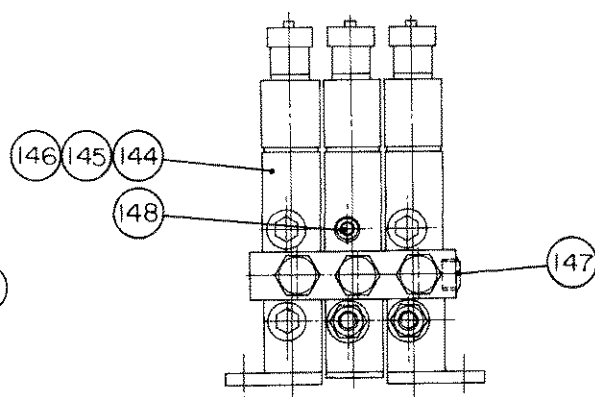
Hydraulic and pneumatic piping

From serial No.03670013 and after.

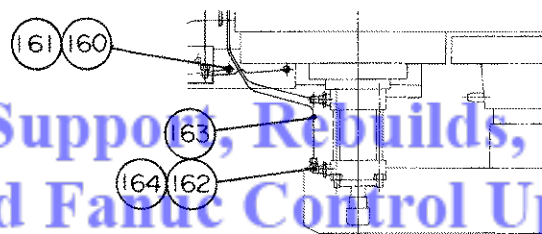
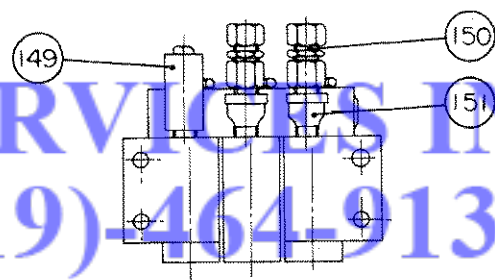
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
96	74309203	Air control unit	7931063	1	
97	74300606 (44235241)	Cap screw	M8 x 20	2	
98	74300518 (10001521)	Spring washer	M8	2	
99	74300511	Washer	M8	2	
100	74309826 (74162611)	Male-female elbow	1/2"	1	
101	74309811 (74338518)	Plug	40PM	1	
102	74309907 (74162521)	Socket	20SH	1	
103	74309935	Nipple	1/2"	1	
104	74309903 (58251326)	Bushing	1/2" x 1/4"	1	
105	74309909 (74162521)	Socket	20SM	1	
106	74309812 (74162522)	Plug	20PH	1	
107	74309935	Nipple	1/2"	1	
108	74309948	Cross	1/2"	1	
109	74309937	Nipple	1/2" x 1/4"	1	
110	74310325 (75169919)	Tee	1/4"	1	
111	74309207	Pressure switch	SPS-8T	1	
112	74309916 (75169924)	Berrel nipple	1/4"	1	
113	74310214 (21104233)	Tube	N2-4-10 x 8 L= 4.0 m	1	
114	74310018	Elbow	PL10-PT 1/4"	1	
115	74310009 (74315223)	Male connector	PC10-PT 1/4"	1	
116	74310007	Male connector	PC10-PT 1/2"	1	
117	74310214 (21104233)	Tube	N2-4-10 x 8 L=3.0 m	1	
118	74310332	Tee	PST 10-PT 3/8"	1	
119	74309215	Regulator	AR210-03G-X222	1	
120	74309222	Solenoid valve base	6013812a	1	
121	74300607 (21415514)	Cap screw	M8 x 25	4	
122	74300518 (10001521)	Spring washer	M8	4	
123	74309231	Manifold	7951055a	1	
124	74309936	Nipple	3/8"	1	
125	74309816	Plug	3/8"	1	
126	74310203 (74162402)	Solenoid valve	5ER-8E	1	
127	74309803 (44446227)	Cap screw	M6 x 40	2	
128	74310227 (74162502)	Silencer	SA-8	2	
129	74309938 (81182510)	Nipple	3/8 x 1/4"	1	
130	74309825 (74162615)	Male-female elbow	1/4"	1	
131	74310214 (21104233)	Tube	N2-4-10 x 8 L= 2.5 m	2	
132	74310009 (74315223)	Male connector	Pc10-PT 1/4"	2	
133	74310129 (74330823)	Union tee	Put-10	2	
134	74310009 (74315223)	Male connector	PC10-PT1/4"	4	
135	74310214 (21104233)	Tube	N2-4-10 x 8 L= 5.5 m	1	



DETAIL "A"



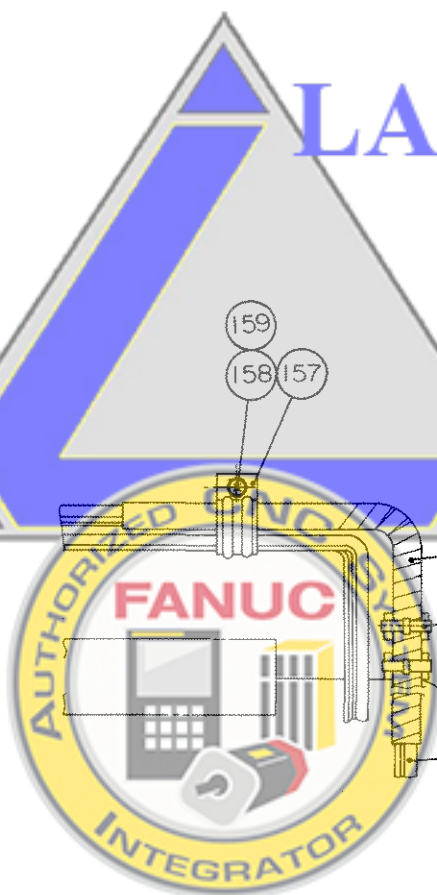
DETAIL "B"



DETAIL "C"

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Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade

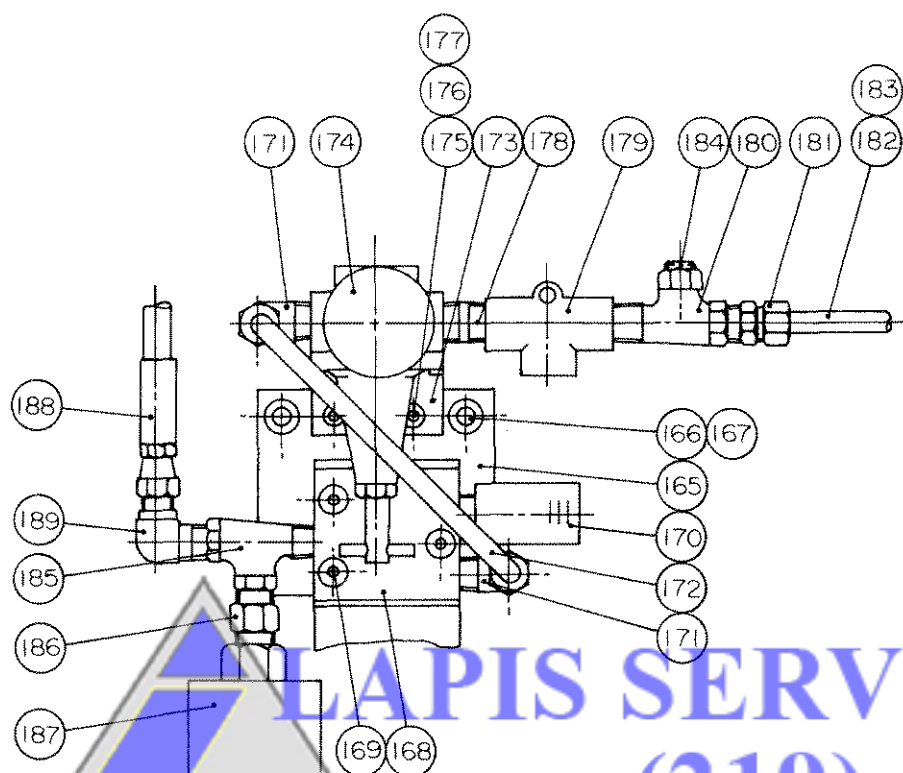
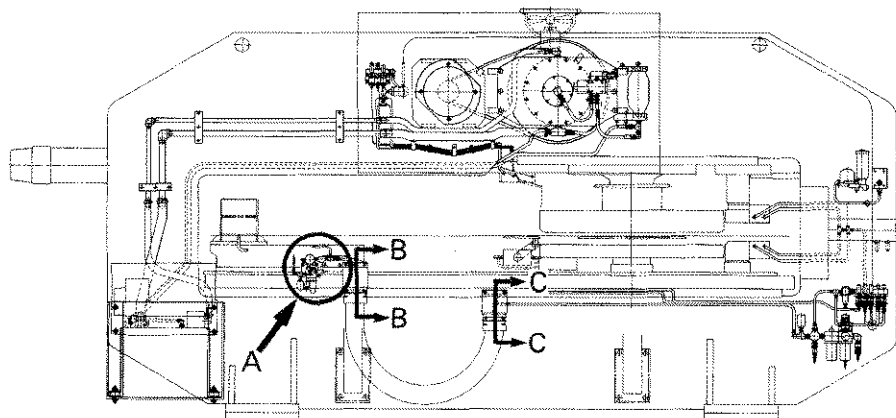


Unit No. 09

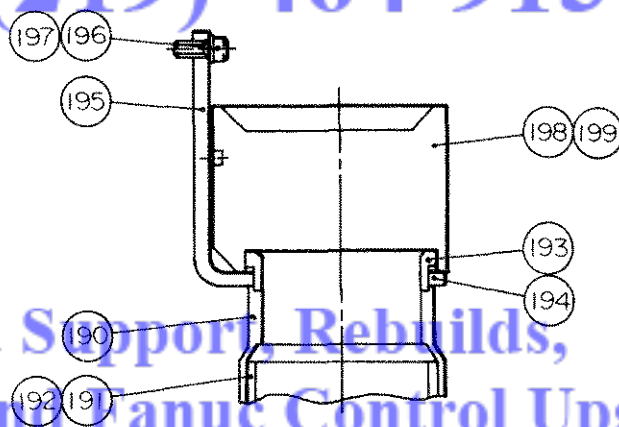
Hydraulic and pneumatic piping

From serial No.03670013 and after.

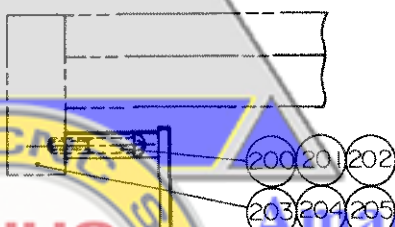
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DETAIL "A"



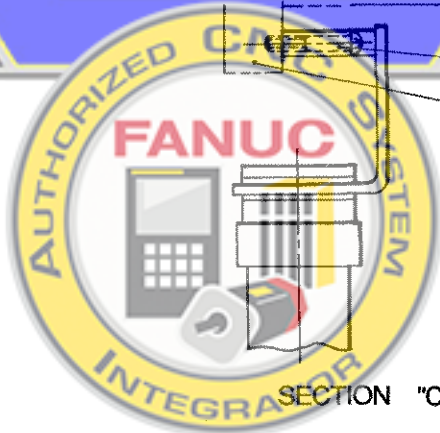
SECTION "B-B"



SECTION "C-C"

LAPIS SERVICES INC
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**Canada Support, Rebuilds,
Sales and Fanuc Control Upgrade**



Unit No. 09

Hydraulic and pneumatic piping

From serial No.03670013 and after.

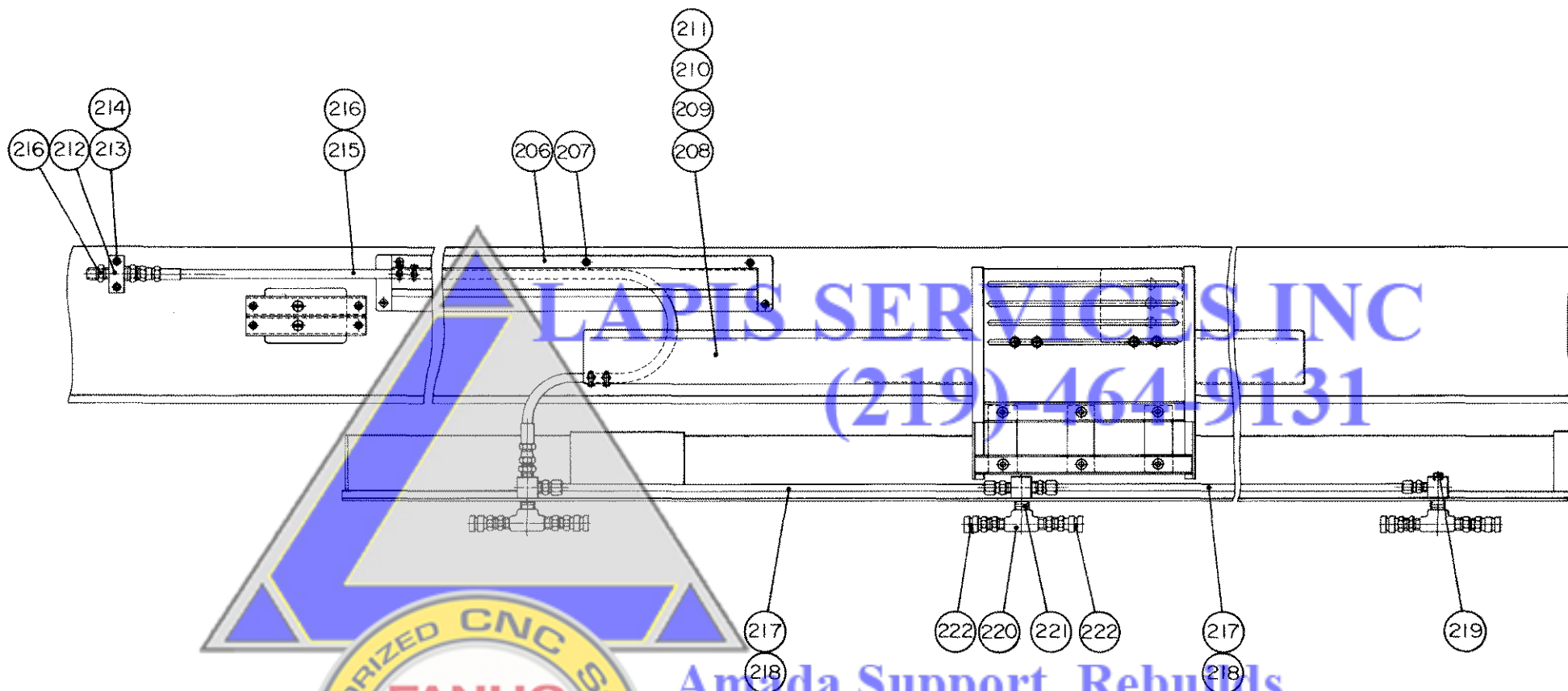
Index No.	Parts No.	Parts Name	Drawing No. or Type	Qty	Note
165	74309654	Solenoid plate	827637	1	
166	74300607 (21415514)	Cap screw	M8 x 25	2	
167	74300518 (10001521)	Spring washer	M8	2	
168	74310201 (74162406)	Solenoid valve	3EC-8E	1	
169	74309801	Cap screw	M5 x 40	3	
170	74310227 (74162502)	Silencer	SA-8	1	
171	74310017	Male elbow	PL6-PT1/4"	2	
172	74310213 (21104225)	Tube	N2-4-6 x 4 L= 0.5 m	1	
173	74309626	Regulator support	827638	2	
174	74309211 (74163208)	Regulator	7931006	1	
175	74309803 (44446227)	Cap screw	M6 x 40	2	
176	74300517 (44027928)	Spring washer	M6	2	
177	74302328 (44027930)	Washer	M6	2	
178	74309915 (75169924)	Nipple	1/4"	1	
179	74310410 (74162518)	Check valve	VR1310-02	1	
180	74310506	Male-female tee	1/4"	1	
181	74310009	Male connector	PC10-PT1/4"	1	
182	74310214 (21104233)	Tube	N2-4-10 x 8 L= 2.0 m	1	
183	74310018	Male elbow	PL10-PT1/4"	1	
184	74309815 (37118306)	Plug	1/4"	1	
185	74310506	Male-female tee	1/4"	1	
186	74309944 (74162803)	Nipple	NA-1/4"	2	
187	74309206 (74162318)	Pressure switch	7931004	1	
188	74309624	Hydraulic hose	6012889	1	
189	74309923 (74166014)	90° elbow	90-L-04	1	
190	74309704	Swivel joint	5033736a	2	
191	74309629	Dust hose	827641	1	
192	74310424 (74163127)	Wire band	Φ100	2	
193	74309707 (74175310)	Joint collar	5033737	2	
194	74310520 (74183434)	Snap ring	STW-100	2	
195	74309425	Dust bracket	827738	2	
196	74300607 (21415514)	Cap screw	M8 x 25	4	
197	74300518 (10001521)	Spring washer	M8	4	
198	74309711	Cover	827739	1	
199	44027732	Pan head machine screw	M6 x 12	4	
200	74309713	Bracket base	827715a	1	
201	74309807	Cap screw	M8 x 85	2	
202	74300518 (10001521)	Spring washer	M8	2	
203	74309660	Dust plate	817784	1	
204	74300607 (21415514)	Cap screw	M8 x 25	4	

From serial No.03670013 and after.

Unit No.09

Hydraulic and pneumatic piping

From serial No.03670013 and after.



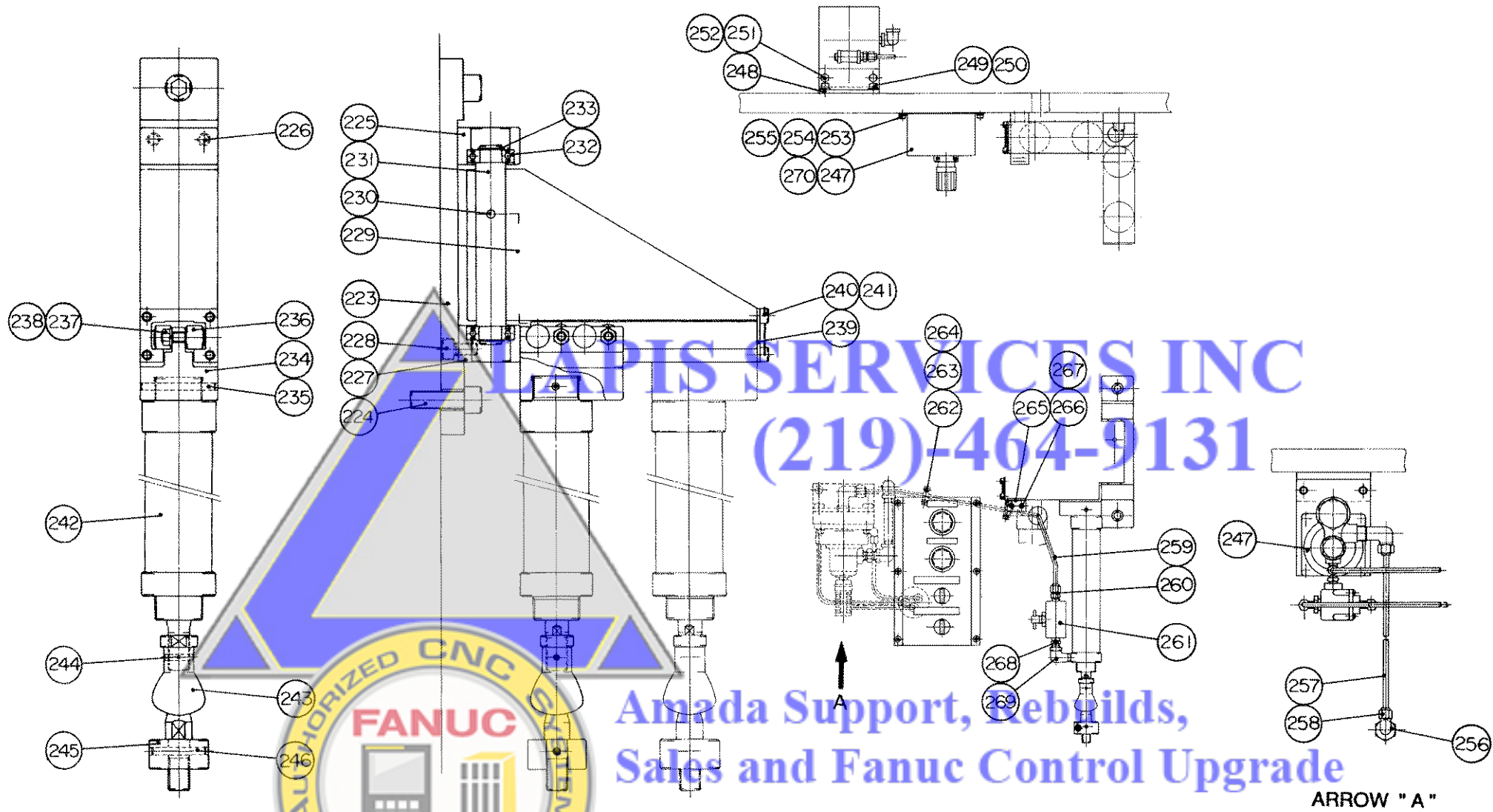
Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade

Unit No. 09

Hydraulic and pneumatic piping

From serial No.03670013 and after.

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Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade

ARROW "A"

Unit No. 09

Hydraulic and pneumatic piping

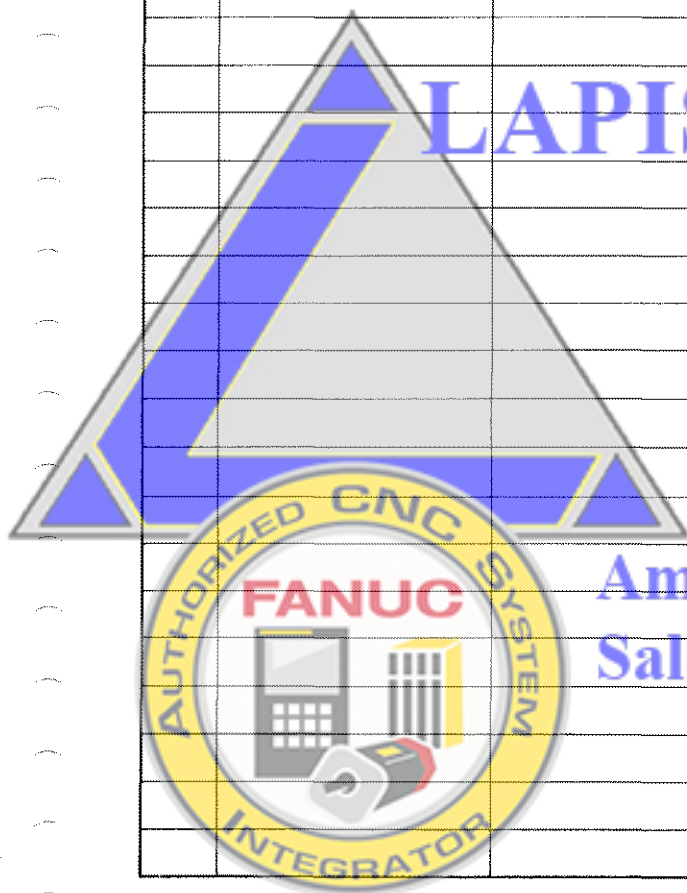
From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
223	74309639	Bearing base	827203a	1	
224	74302820	Cap screw	M12 x 35	2	
225	74309643	Bearing support (upper)	827204	1	
226	74309808 (10343103)	Cap screw	M8 x 16	2	
227	74309644	Bearing support (lower)	827205	1	
228	74309808 (10343103)	Cap screw	M8 x 16	2	
229	74309517	Roller rail	827207a	1	
230	74310534	Straight pin (with screw)	Φ6 x 45	1	
231	74309649	Bar	827208	1	
232	74310515	Ball bearing	#6002ZZ	2	
233	74310517 (15247621)	Snap ring	STW-15	2	
234	74309606	Cylinder holder	827209b	1	
235	74310528 (21102140)	Spring pin	Φ5 x 50	1	
236	74310428 (74165733)	Cam follower	KR16 x LL	4	
237	74300503 (10310352)	Nut	M6	4	
238	74300517 (44027928)	Spring washer	M6	4	
239	74309609	Roller cover	827210	1	
240	74309808	Cap screw (with wiring hose)	M5 x 10 (unbrako)	4	
241	74310434	Wire	Φ1 x 1 m	1	
242	74310602	Air cylinder	Φ40 x 150st	1	
243	74310605 (74165732)	Ring ball	RBIW-14	1	
244	74310525 (37014632)	Spring pin	Φ4 x 20	1	
245	74309111	Knob	480897	1	
246	74310527 (74314912)	Spring pin	Φ5 x 36	1	
247	74309216 (74163301)	Balance valve unit	7931008	1	
248	74309108	Balance valve bracket	480893	1	
249	74300606 (44235241)	Cap screw	M8 x 20	2	
250	74300518 (10001521)	Spring washer	M8	2	
251	74310614 (44029703)	Bolt	M10 x 20	2	
252	74300519 (10001520)	Spring washer	M10	2	
253	74309805	Cap screw	M6 x 10 (unbrako)	6	
254	74300517 (44027928)	Spring washer	M6	6	
255	74302328 (44027930)	Washer	M6	6	
256	74309903 (58251326)	Bushing	1/2" x 1/4"	1	
257	74310216	Tube	N5-1-3/8" 1 m	1	
258	74310031 (74162813)	Male elbow	LN 3/8 PT 1/4	1	
259	74310217	Tube	N5-4-6 x 4 1.5 m	1	
260	74310012	Male connector	C4N6-PT 1/4	1	
261	74310431	Speed controller	S-2	1	
262	74310306	Saddle	CD-1/4	2	

Unit No. 09

Hydraulic and pneumatic piping

From serial No.03670013 and after.

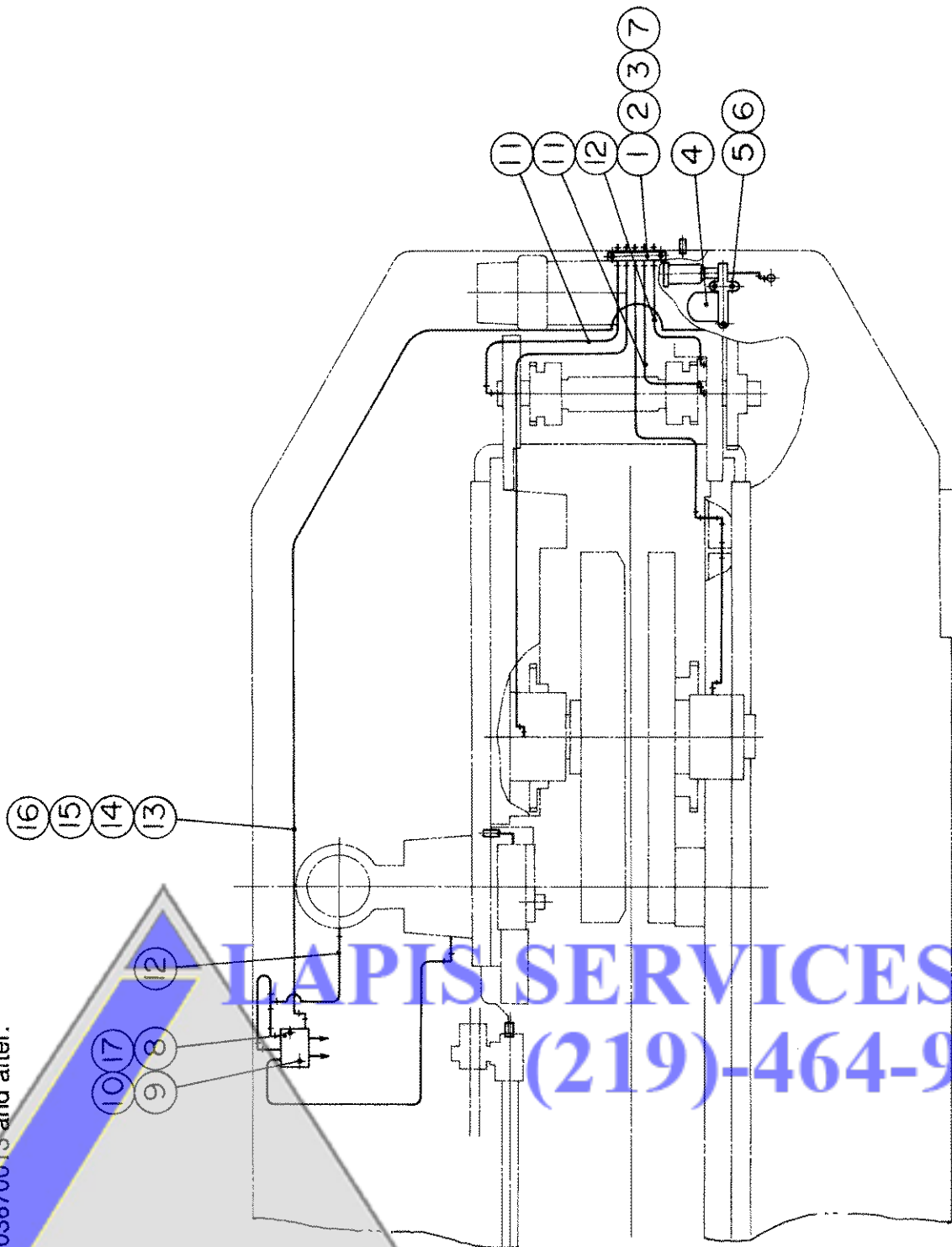
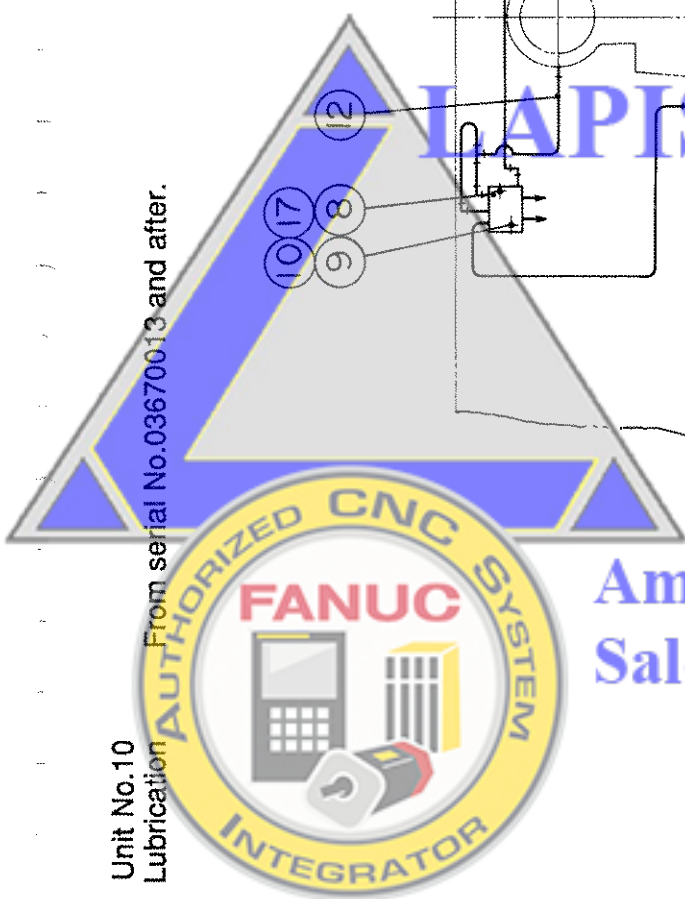
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Unit No.10
Lubrication

From serial No.03670013 and after.



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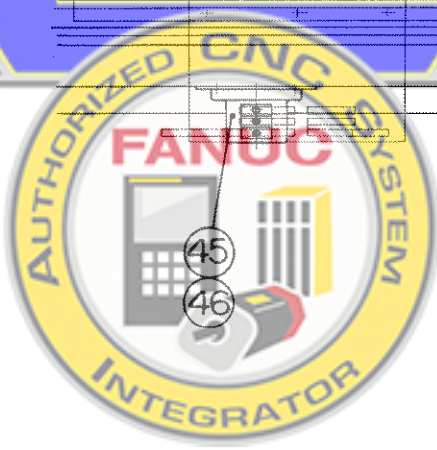
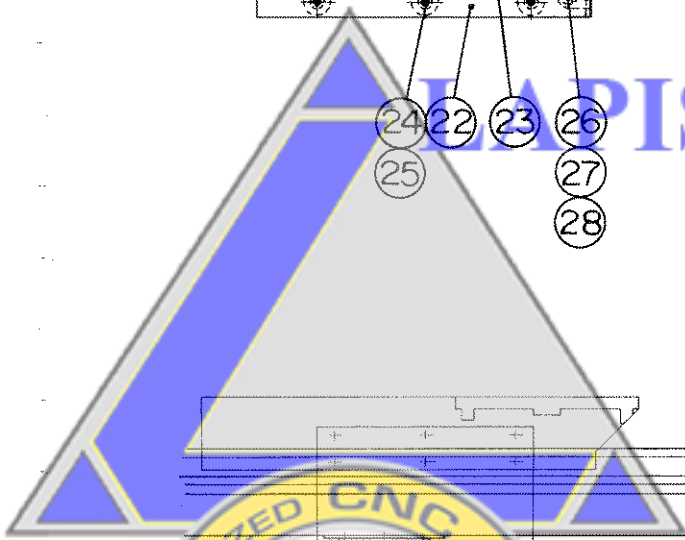
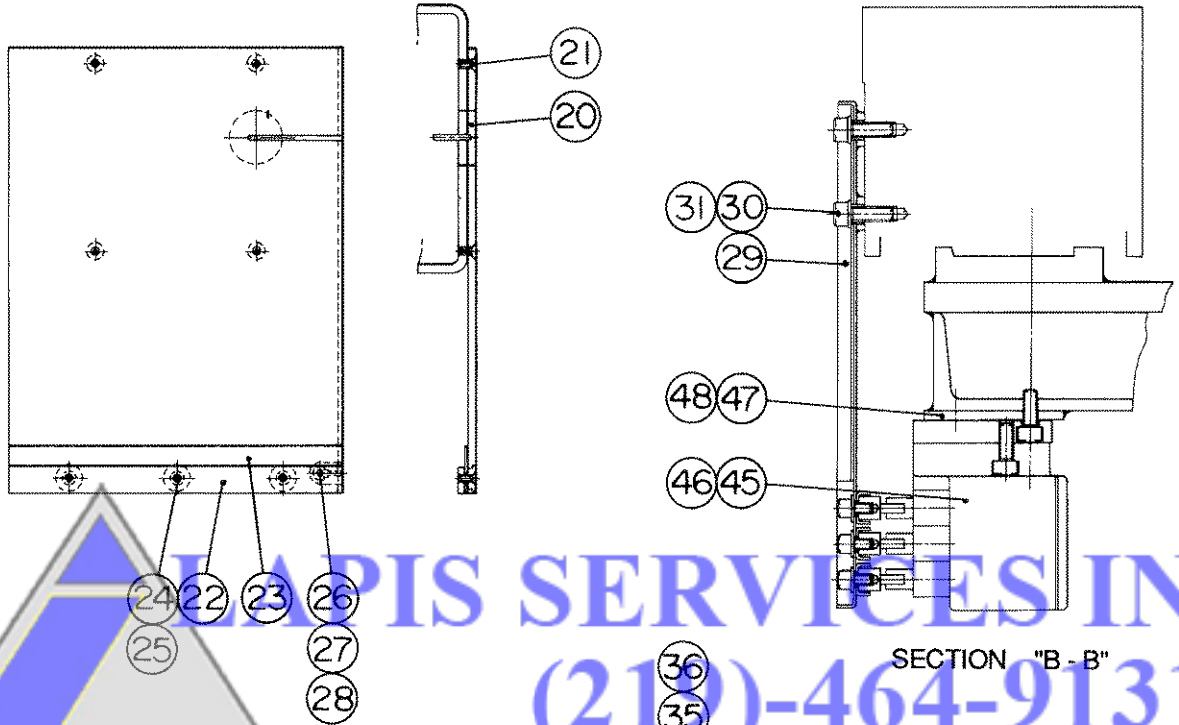
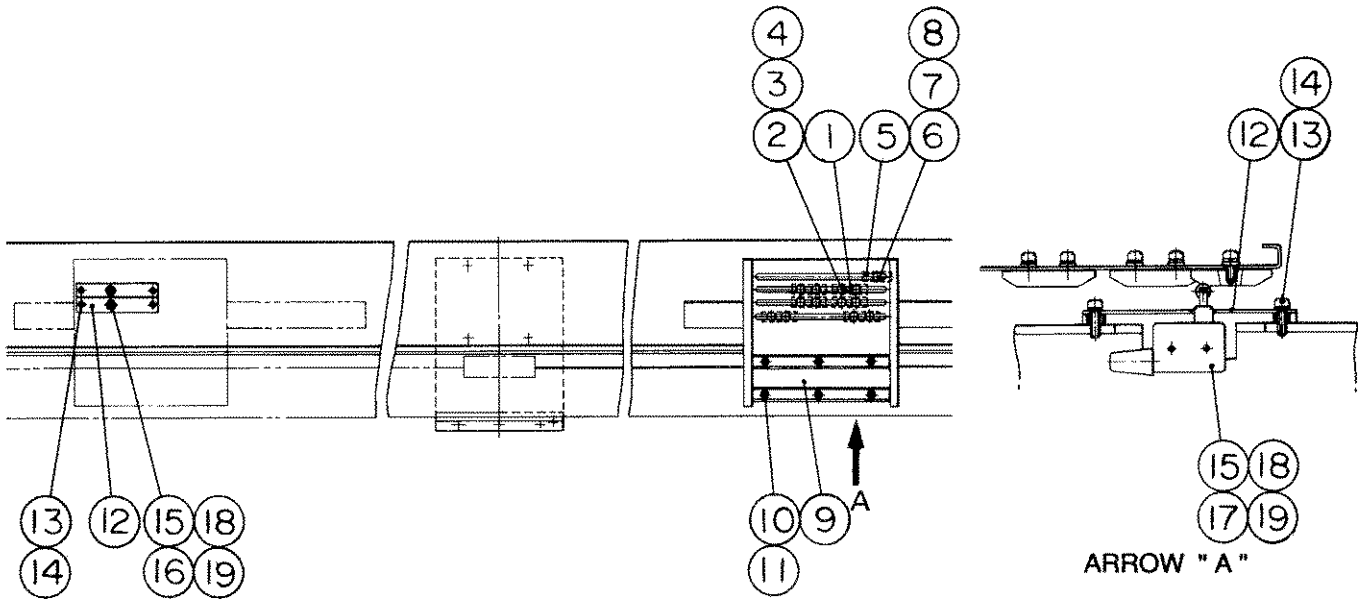
**Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade**

Unit No. 10

Lubrication

From serial No.03670013 and after.

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Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade

Unit No. **11**
Electric (I)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74306906	Dog (OT)	818707a	4	
2	74302813	Cap screw	M6 x 12	8	
3	74300517 (44027928)	Spring washer	M6	8	
4	74302328 (44027930)	Washer	M6	8	
5	74306907	Dog (origin)	818998	1	
6	74302813	Cap screw	M6 x 12	1	
7	74300517 (44027928)	Spring washer	M6	1	
8	74302328 (44027930)	Washer	M6	1	
9	74307306	X-axis dog bracket	818708	1	
10	74309808 (10343103)	Cap screw	M8 x 16	6	
11	74300518 (10001521)	Spring washer	M8	6	
12	74307304	L.S.bracket	818795a	5	
13	74302815	Cap screw	M6 x 20	10	
14	74300517 (44027928)	Spring washer	M6	10	
15	74308315 (74163509)	Limit switch	ZC-Q2255	5	
16	74307625	Pan head machine screw	M4 x 60	2	
17	74307623	Pan head machine screw	M4 x 85	2	
18	74300515 (44027327)	Spring washer	M4	2	
19	74300501	Nut	M4	2	
20	74307010	Bracket	818530b	1	
21	74307905	Countersink head socket screw	M6 x 12 (unbrako)	6	
22	74307525	Override detecting plate	808518a	1	
23	74307523	Isolating plate	808519a	1	
24	74307529	Isolating piece	808520a	3	
25	74307904	Countersink head socket screw	M5 x 10 (unbrako)	3	
26	74307725	Lug terminal	1.25-4	1	
27	74307621 (10566114)	Pan head machine screw	M4 x 5	1	
28	74300515 (44027327)	Spring washer	M4	1	
29	74307307	Y-axis dog bracket	818533b	1	
30	74300606 (44235241)	Cap screw	M8 x 20	6	
31	74311518 (10001521)	Spring washer	M8	6	
32	74306906	Dog (OT)	818707a	2	
33	74306901	Dog (A)	808515b	2	
34	74302813	Cap screw	M6 x 12	8	
35	74300517 (44027928)	Spring washer	M6	8	
36	74302328 (44027930)	Washer	M6	8	
37	74306905	Dog (origin)	824757a	1	
38	74302813	Cap screw	M6 x 12	2	
39	74300517 (44027928)	Spring washer	M6	2	
40	74302328 (44027930)	Washer	M6	2	

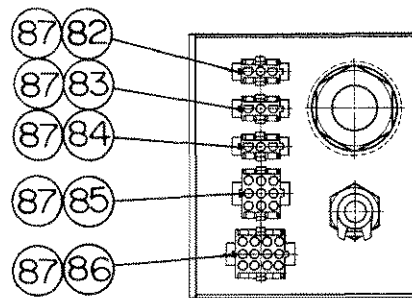
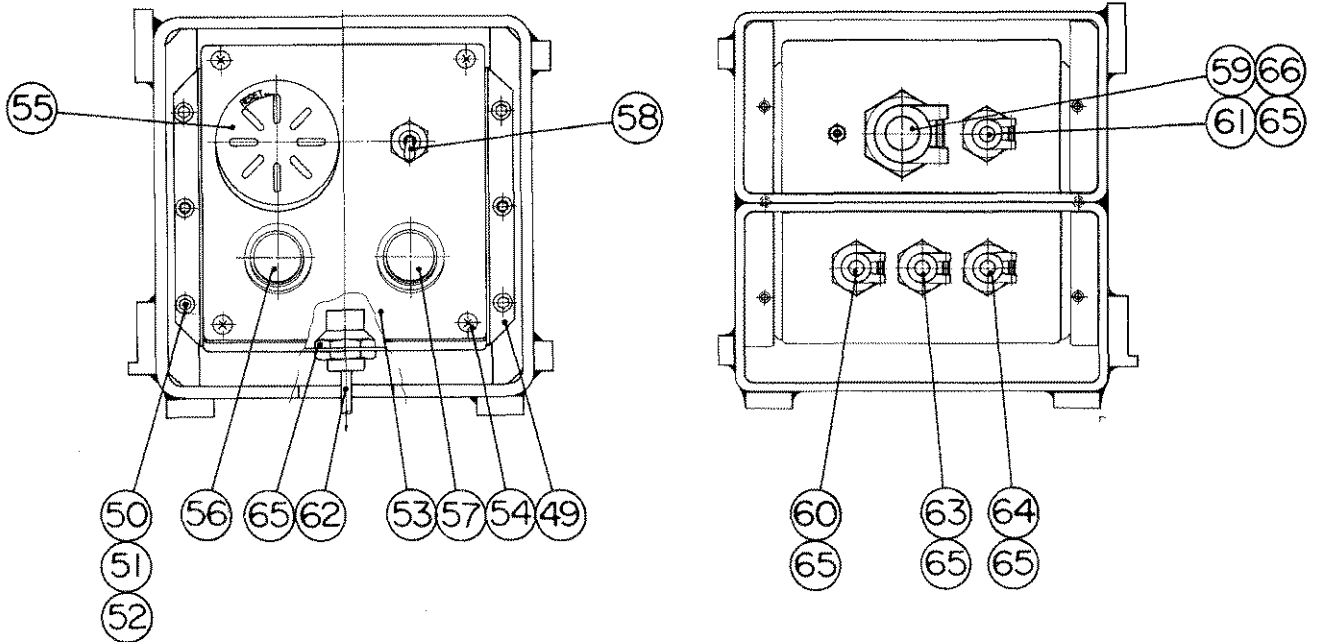
Unit No. **11**
Electric (I)

From serial No.03670013 and after.

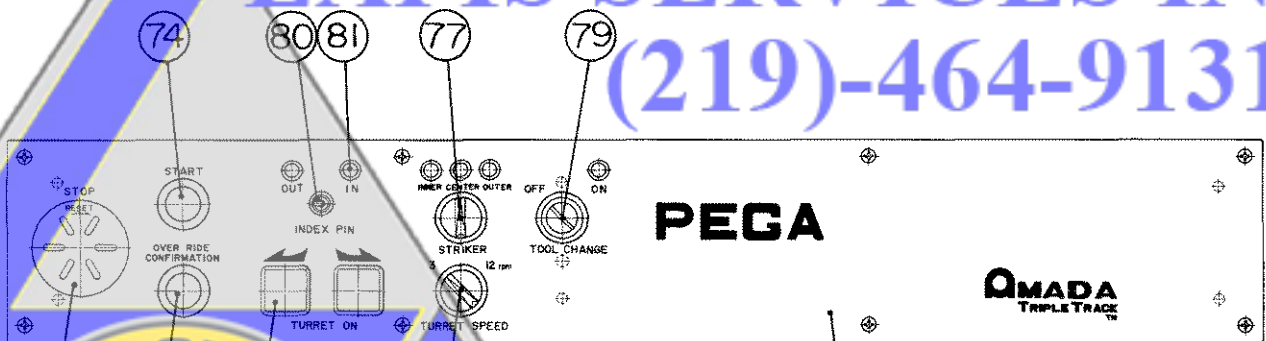
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Unit No.11
Electric (I)

From serial No.03670013 and after.



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**Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade**



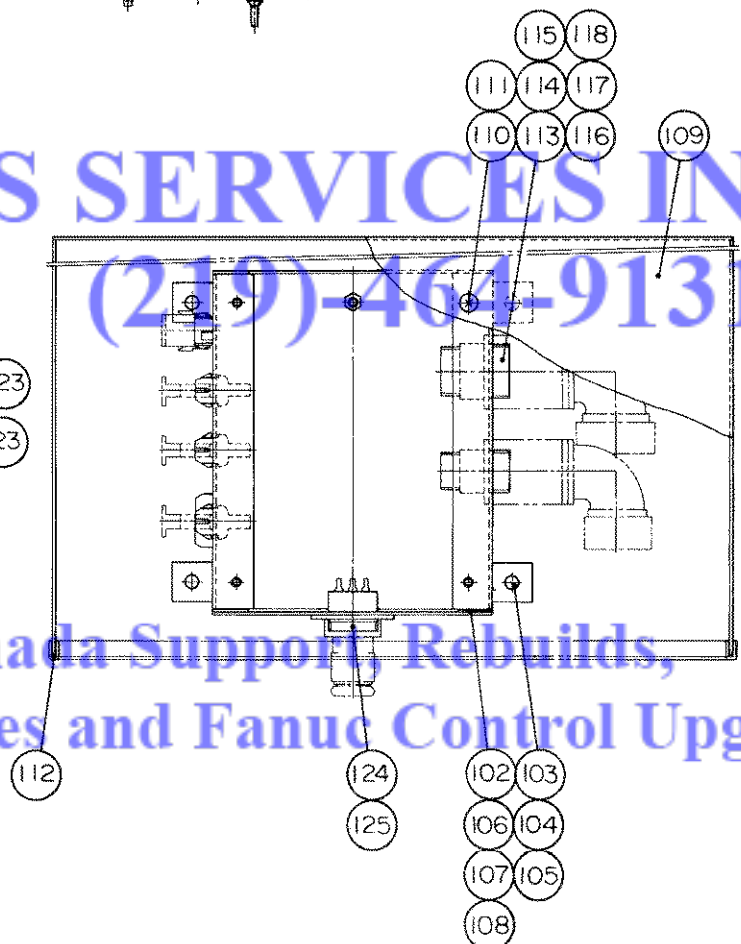
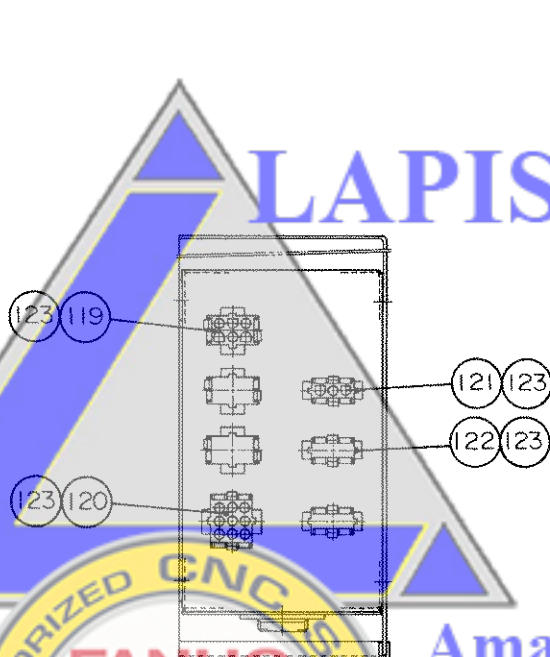
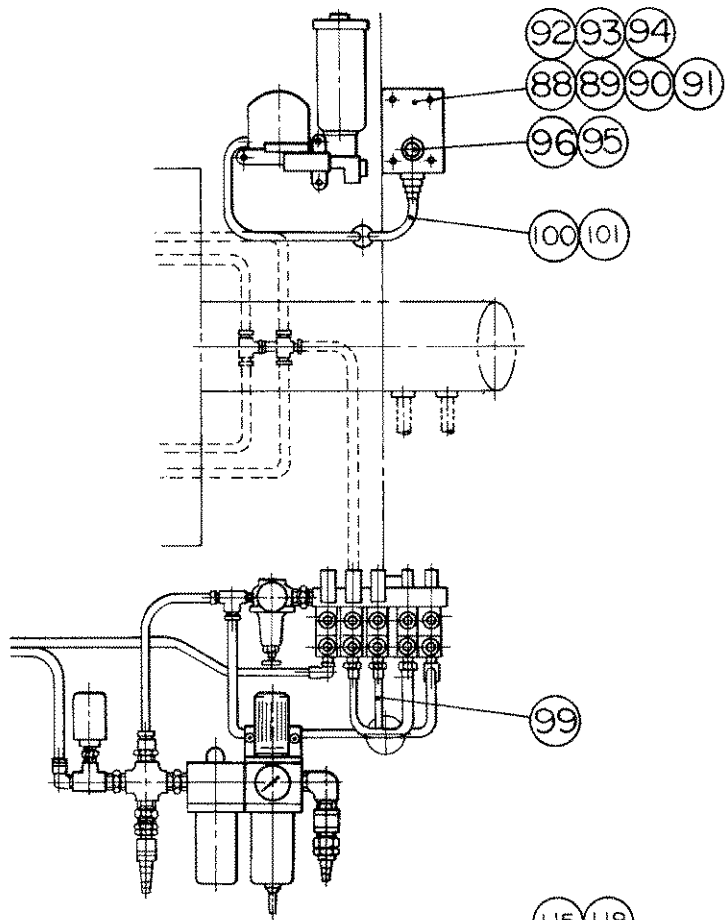
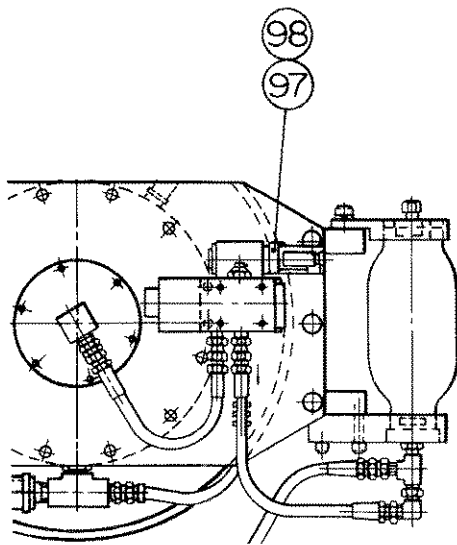
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Unit No. 11

Electric (I)

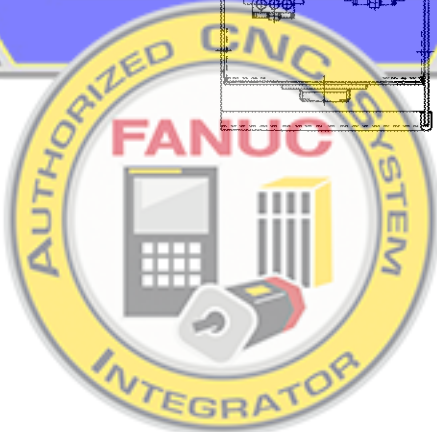
From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
49	74307014	Control box	6012981	1	
50	74307602	Cap screw	M6 x 16	4	
51	74300517 (44027928)	Spring washer	M6	4	
52	74302328 (44027930)	Washer	M6	4	
53	74307313 (74163434)	Control panel	818642	1	
54	74308118	Bind screw	M5 x 10	4	
55	74308606	Push button switch	AH30-V1R01	1	
56	74308605	Push button switch	AH30-G1G10	1	
57	74308603	Push button switch	AH30-FY10	1	
58	74308611 (74164430)	Toggle switch	S-6A	1	
59	74307143	Cable (CR-1EX)	6013179a	1	
60	74307144	Cable (CR-2EX)	6013180	1	
61	74307145	Cable (CR-3EX)	6013181	1	
62	74307132	Cable (CR-4EX)	818771	1	
63	74307163	Cable (CR-5EX)	6013183a	1	
64	74307147	Cable (CR-6EX)	6013197a	1	
65	74308126 (36004615)	Code lock	NC-1	5	
66	74308127	Code lock	NC-2	1	
67	74307213	Control box	818731d	1	
68	74307602	Cap screw	M6 x 16	6	
69	74300517 (44027928)	Spring washer	M6	6	
70	74302328 (44027930)	Washer	M6	6	
71	74307312	Control panel	818741b	1	
72	74308118	Bind screw	M5 x 10	8	
73	74308606	Push button switch	AH30-V1R01	1	
74	74308602	Push button switch	AH30-FG10	1	
75	74308603	Push button switch	AH30-FY10	1	
76	74308601	Push button switch	AH25-SFG10	2	
77	74308512	Select switch	AH30-P3B11	1	
78	74308511 (74347801)	Select switch	AH30-P2B10	1	
79	74308513	Select switch	AH30-J2A01A	1	
80	74308513	Toggle switch	WD-1114	1	
81	74308530	Pilot lamp	BD-1402G	6	
82	74306702	Connector	1-480701-2 red 3-pole	1	
83	74306705	Connector	1-480701-6 blue 3-pole	1	
84	74306701	Connector	1-480701-0 white 3-pole	1	
85	74306709	Connector	1-480705-0 white 6-pole	1	
86	74306716	Connector	1-480709-0 white 12-pole	1	
87	74306812	Socket	350550-1	27	



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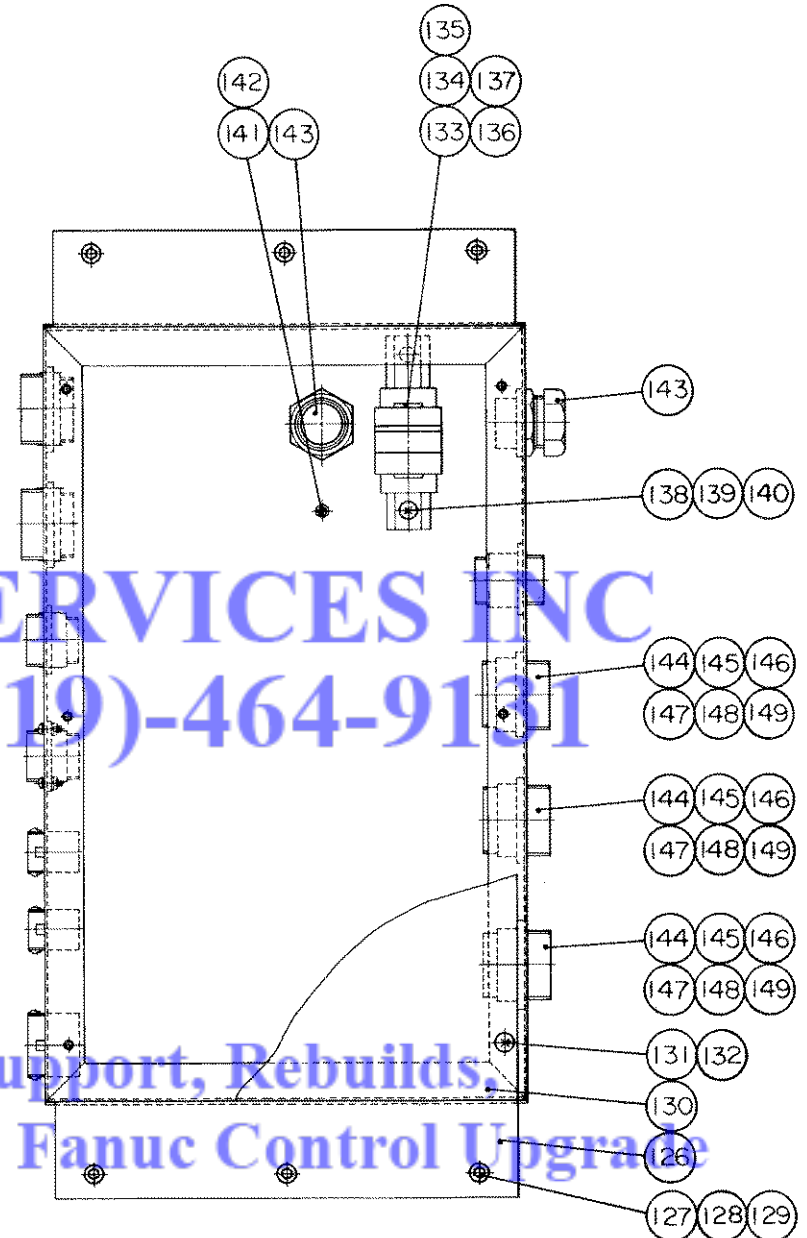
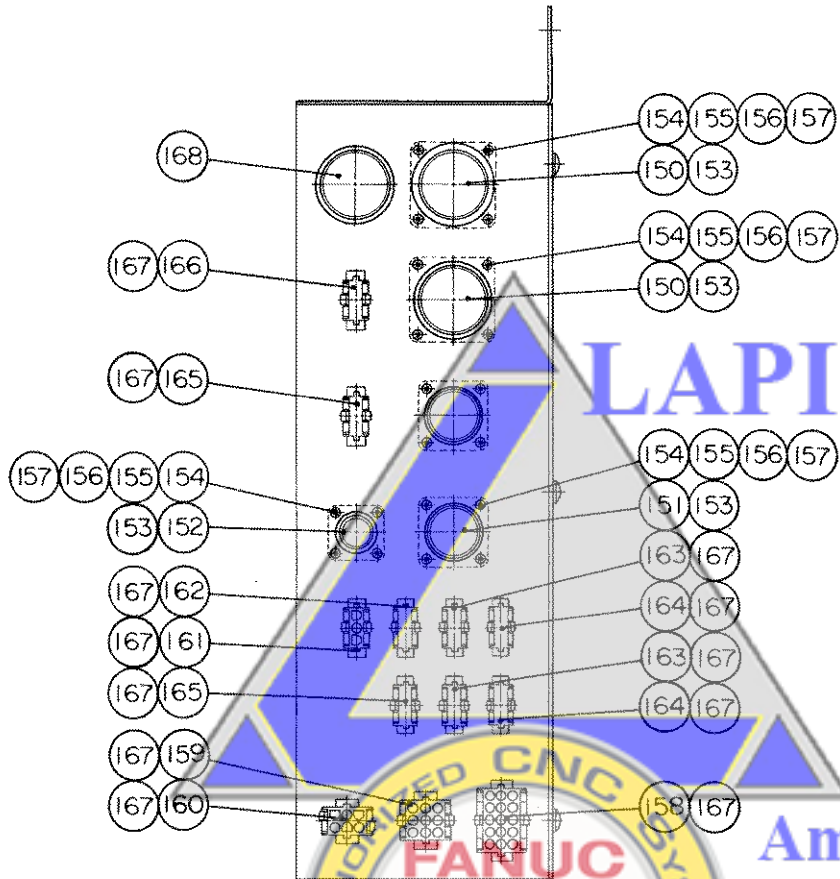
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Sales and Fanuc Control Upgrade



Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
88	74307317	Control panel	828691a	1	
89	74307913	Round head machine screw	M4 x 10	4	
90	74307801	Toothed lock washer	M4	4	
91	74307403	Push button box	828558a	1	
92	10444102	Round head machine screw	M6 x 10	4	
93	74307802	Toothed lock washer	M6	4	
94	74307412	Caution plate	828692a	1	
95	74307413	Legend plate	828693	1	
96	74308602	Push button switch	AH30-FG10	1	
97	74308507	Thermal sensor	TF-51P-1	1	
98	74307824	Hose band	TM-144SS50	1	
99	74307136	Cable (S-4EK)	818993	1	
100	74307152	Cable (S-5EK)	6013177a	1	
101	74308126 (36004615)	Code lock	NC-1	1	
102	74306919	Junction box (C)	818542	1	
103	74307602	Cap screw	M6 x 16	4	
104	74300517 (44027928)	Spring washer	M6	4	
105	74302328 (44027930)	Washer	M6	4	
106	74307826	TMH mount		2	
107	74307624	Pan head machine screw	M5 x 12	2	
108	74307606 (44552819)	Washer	M5	2	
109	74306924	Junction box (C) cover	818543b	1	
110	74305017	Pan head machine screw	M5 x 10	4	
111	74300516 (44027927)	Spring washer	M5	4	
112	74306821	Rubber packing	383322a L= 550	1	
113	74306803	Receptacle	206036-1	1	
114	74306825	Pin	66099-2	13	
115	74307620	Pan head machine screw	M3 x 10	4	
116	74307612	Spring washer	M3	4	
117	74307605	Washer	M3	4	
118	74307616	Nut	M3	4	
119	74306709	Connector	1-480705-0 white 6-pole	1	
120	74306712	Connector	1-480707-0 white 9-pole	1	
121	74306701	Connector	1-480701-0 white 3-pole	1	
122	74306706	Connector	1-480701-9 black 3-pole	1	
123	74306812	Socket	350550-1	18	
124	74308205	Connector	BSG-13	1	
125	74308228	Plug	NCS-253GPM 1/2	1	

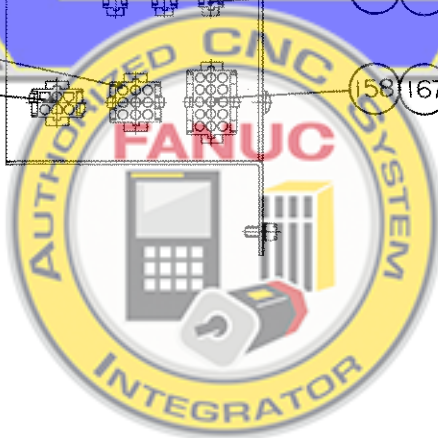
Unit No.11
Electric (I)

From serial No.03670013 and after.



LAPIS SERVICES INC
(219)-464-9131

Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade



Unit No. **11**
Electric (I)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
126	74306920	Junction box (T)	818544d	1	
127	74307602	Cap screw	M6 x 16	6	
128	74300517 (44027928)	Spring washer	M6	6	
129	74302328 (44027930)	Washer	M6	6	
130	74306926	Junction box (T) cover	818545	1	
131	74305017	Pan head machine screw	M5 x 10	6	
132	74300516 (44027927)	Spring washer	M5	6	
133	74307818	Terminal block	F-20	6	
134	74307811	Edge plate	F-25E	1	
135	74307007	Lock bracket	FK-1	2	
136	74307919	Channel base	BLF L= 100	1	
137	74307923	Mark band	L= 60	1	
138	74305017	Pan head machine screw	M5 x 10	2	
139	74300516 (44027927)	Spring washer	M5	2	
140	74307606 (44552819)	Washer	M5	4	
141	74307721 (10372207)	Set screw	M5 x 30	1	
142	74300502 (13239613)	Nut	M5	1	
143	74308201	Connector	ESB-1	2	
144	74306805	Receptacle	206151-1	3	
145	74306825	Pin	66099-2	111	
146	74307620	Pan head machine screw	M3 x 10	12	
147	74307612	Spring washer	M3	12	
148	74307605	Washer	M3	12	
149	74307616	Nut	M3	12	
150	74306806	Receptacle	206306-1	2	
151	74306804	Receptacle	206043-1	1	
152	74306807	Receptacle	206430-1	1	
153	74306813	Socket	66101-2	78	
154	74307620	Pan head machine screw	M3 x 10	16	
155	74307612	Spring washer	M3	16	
156	74307605	Washer	M3	16	
157	74307616	Nut	M3	16	
158	74306719	Connector	1-480711-0 white 15-pole	1	
159	74306713	Connector	1-480707-6 blue 9-pole	1	
160	74306709	Connector	1-480705-0 white 6-pole	1	
161	74306706	Connector	1-480701-9 black 3-pole	1	
162	74306701	Connector	1-480701-0 white 3-pole	1	
163	74306705	Connector	1-480701-6 blue 3-pole	2	
164	74306702	Connector	1-480701-2 red 3-pole	2	
165	74306703	Connector	1-480701-1 brown 3-pole	2	

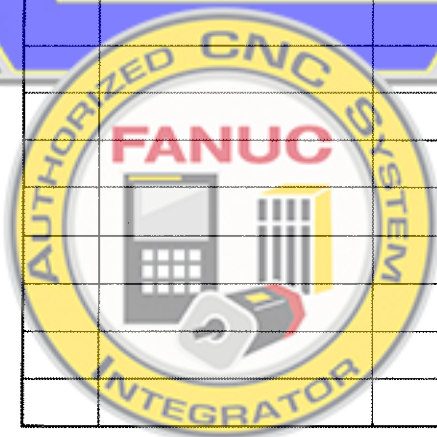
Unit No. 11

Electric (I)

From serial No.03670013 and after.

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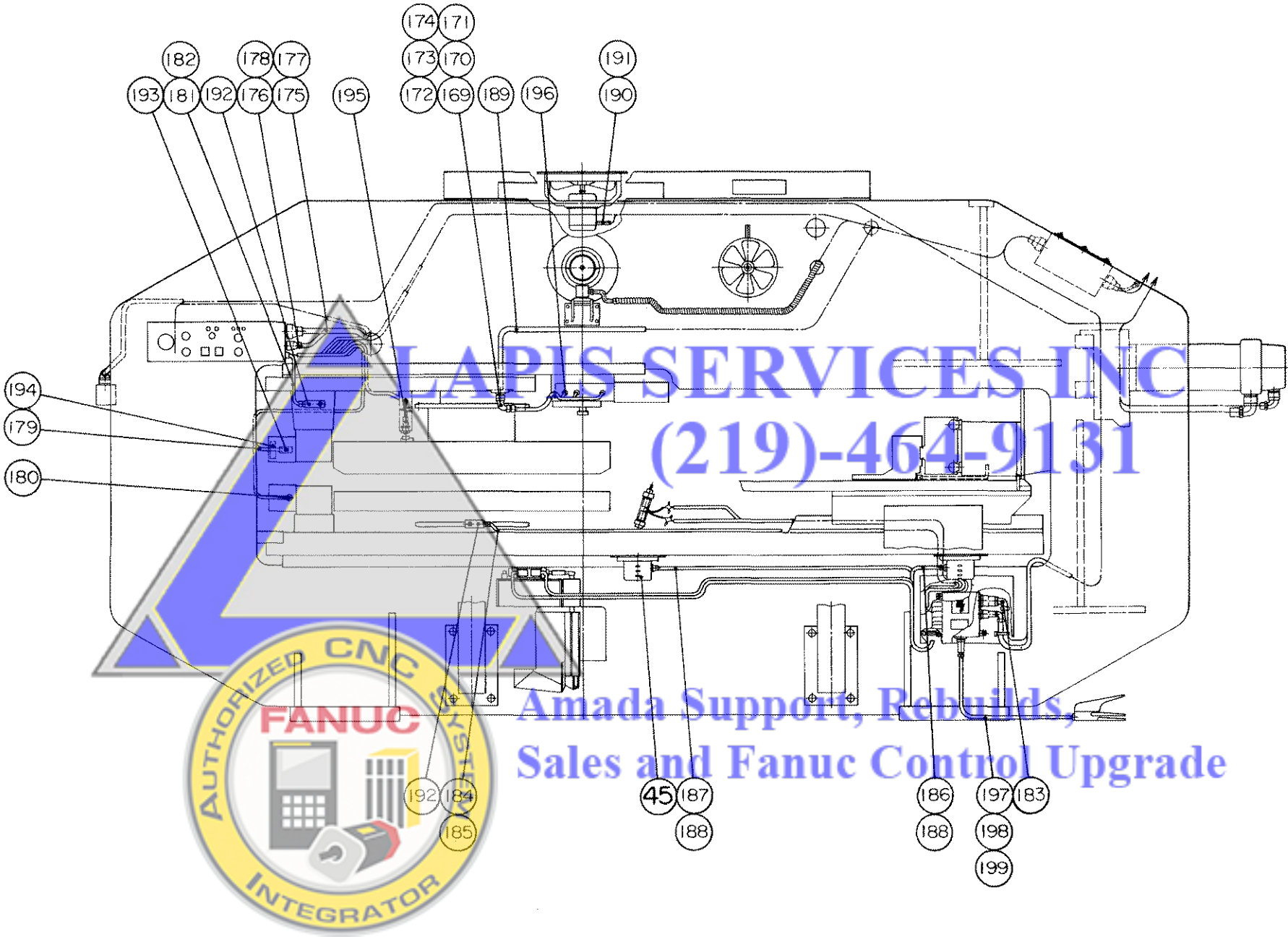
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Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

Unit No.11
Electric (I)

From serial No.03670013 and after.



Unit No. 11

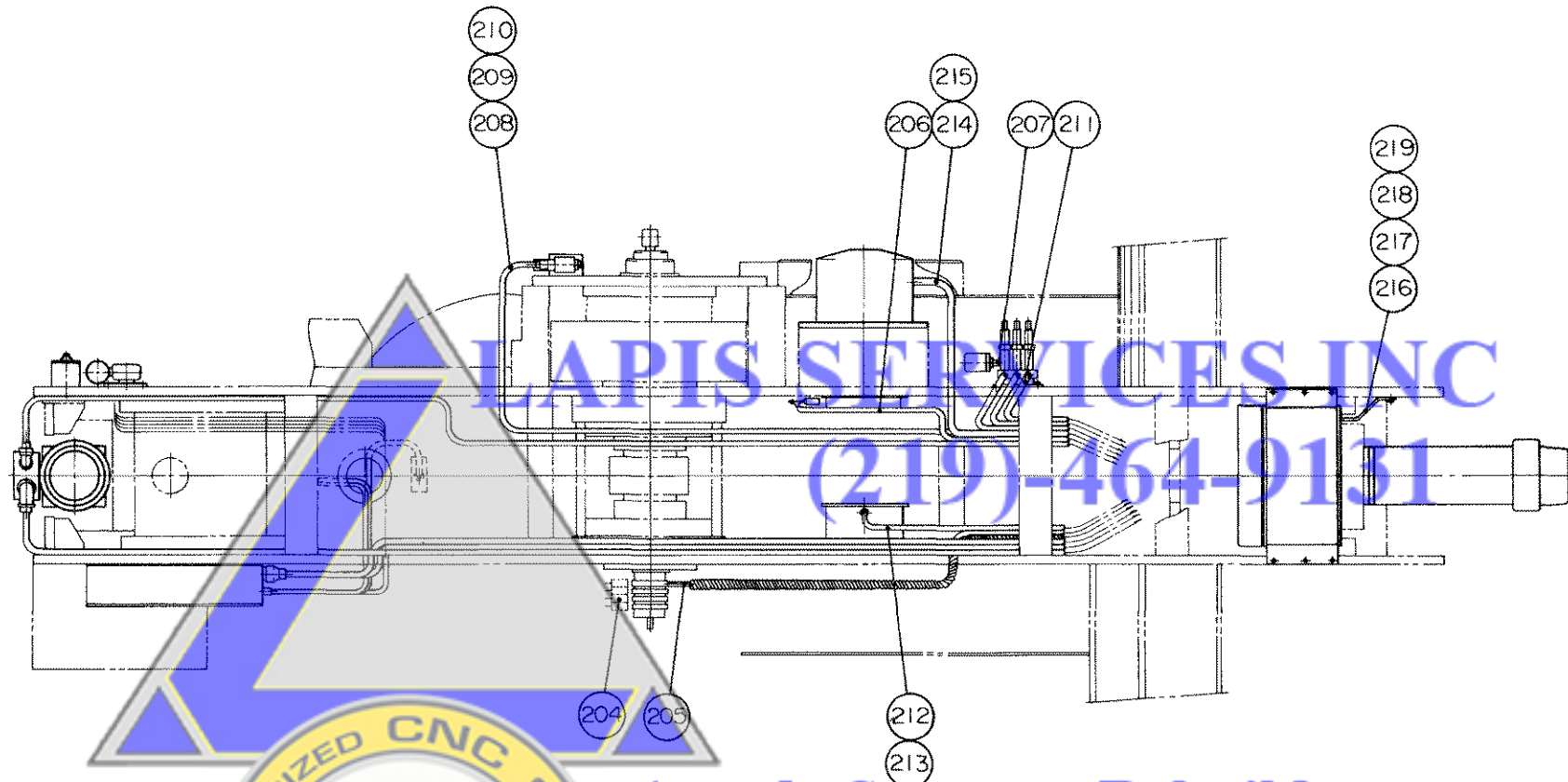
Electric (I)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
169	74307106	Cable (striker)	818723-18	1	
170	74303021 (74159802)	O-ring	P-21	1	
171	74308203	Connector	BDC-18-13	1	
172	74307701	Flexible tube	MPF-13 0.5 m	1	
173	74308202	Connector	BLG-13	1	
174	74307707	Steel wire	Φ0.9 L= 150	1	
175	74307134	Cable (S-1)	818989	1	
176	74307135	Cable (S-2)	818990	1	
177	74308128	Code lock	PG-29	1	
178	74308126 (36004615)	Code lock	NC-1	1	
179	74307150	Cable (S-3)	6012945	1	
180	74308126 (36004615)	Code lock	NC-1	2	
181	74307153	Cable (S-6EX)	6013178	1	
182	74308126 (36004615)	Code lock	NC-1	1	
183	74307139	Cable (C-1EX)	6013184	1	
184	74307140	Cable (C-3EX)	6013185	1	
185	74308126 (36004615)	Code lock	NC-1	1	
186	74307141	Cable (C-4EX)	818758a	1	
187	74307142	Cable (C-5EX)	6013187a	1	
188	74308126 (36004615)	Code lock	NC-1	2	
189	74307154	Cable (T-1)	6012947	1	
190	74307161	Cable (T-8EX)	818754a	1	
191	74308126 (36004615)	Code lock	NC-1	1	
192	74308313 (74163503)	Limit switch	BZE6-2RN-J	2	
193	74308620	Proximity switch	TL-W5E1 cable 2 m	4	
194	74308132	Terminal block ass'y	ML-3391-C 4 pin	2	
195	74308621	Proximity switch	TL-X5F2-7 cable 2 m	1	
196	74308622	Proximity switch	TL-X2F1-7 cable 2 m	3	
197	74308625	Foot switch	7930022	1	
198	74307703 (74307701)	Flexible tube	MPF-13	1	
199	74306808	Receptacle	NCS-253RF	1	
200	74307424	Sticker	828707a	1	
201	74307425	Sticker	AS-K1000	1	
202	74307426	Sticker	AS-K1001	1	
203	74307428	Sticker	AS-K1005	1	

Unit No.11
Electric (I)

From serial No.03670013 and after.

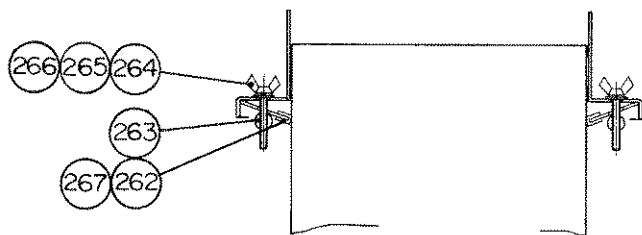
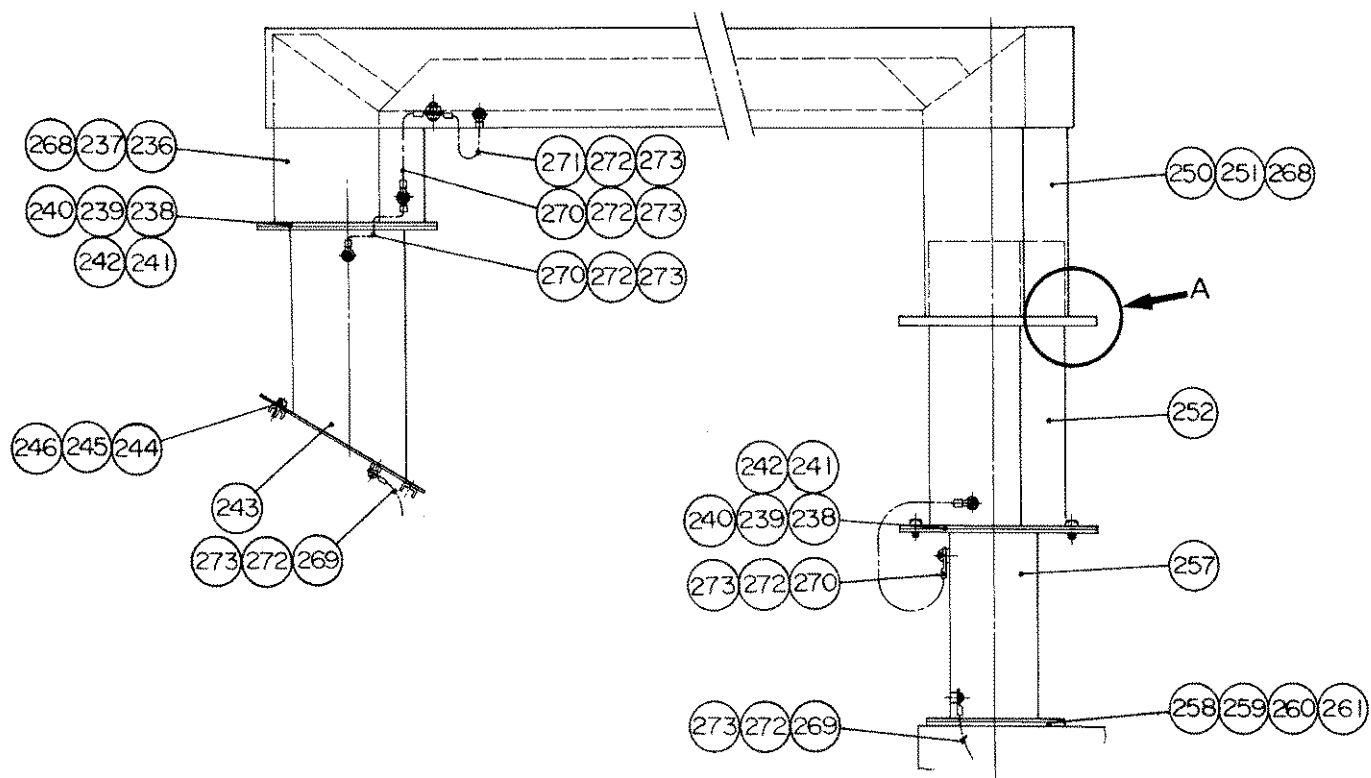


**Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade**

Electric (I)

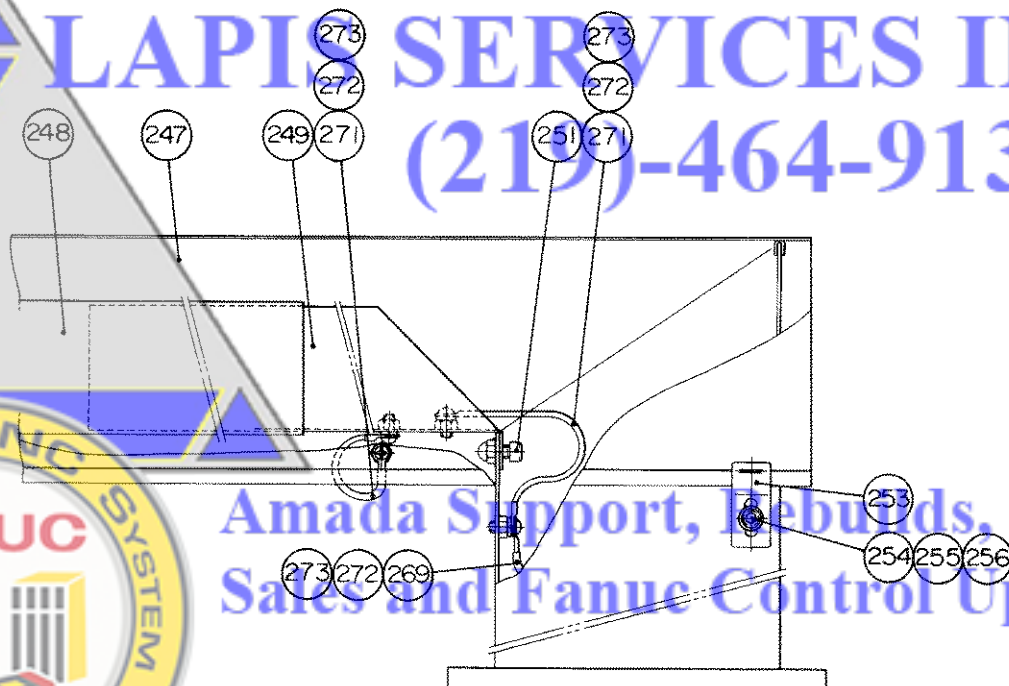
Electric (I) From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
204	74308623	Proximity switch	TL-T5E1-7	4	
205	74307206	Cable (T-2)	818987	1	
206	74307207	Cable (T-4EX)	6510127	1	
207	74307157	Cable (T-5EX)	6013189	1	
208	74307137	Cable (T-6-1EX)	818966	1	
209	74307138	Cable (T-6-2EX)	818967	1	
210	74308126 (36004615)	Code lock	NC-1	2	
211	74307160	Cable (T-8EX)	6013192	1	
212	74307162	Cable (T-9EX) (Front fan)	818755a	1	
213	74307118	Cable (T-10EX) (Rear fan)	818756a	1	
214	74307164	Press motor cable	818968	1	
215	74308209	Cable connector	ESB-1	1	
216	74307212	Cable	IV 5.5 mm ² yellow/green 0.3 m	1	
217	74307602	Cap screw	M6 x 16	1	
218	74300517 (44027928)	Spring washer	M6	1	
219	74302328 (44027930)	Washer	M6	1	
220	74307713 (37117916)	Saddle	CH-13	4	
221	74307714	Saddle	CH-215	8	
222	74307715	Saddle	CH-39	12	
223	74307716	Saddle	CH-51	3	
224	74300714	Round head machine screw	M5 x 10	27	
225	74307823	Band	CV-350	20	
226	74307822	Band	CV-200	30	
227	74307821	Band	CV-150	10	
228	74308221	Coil tube	P-4 1 m	1	
229	74308222	Coil tube	P-6 1 m	1	
230	74308223	Coil tube	P-12 1 m	1	
231	74307726	Lug terminal	F1.25-S4	20	
232	74307727	Lug terminal	F1.25-3.5	20	
233	74307728	Lug terminal	F5.5-6	10	
234	74308204	Connector	FJ-B	15	
235	74307429	Sticker	828943	2	



DETAIL " A "

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Unit No. 11

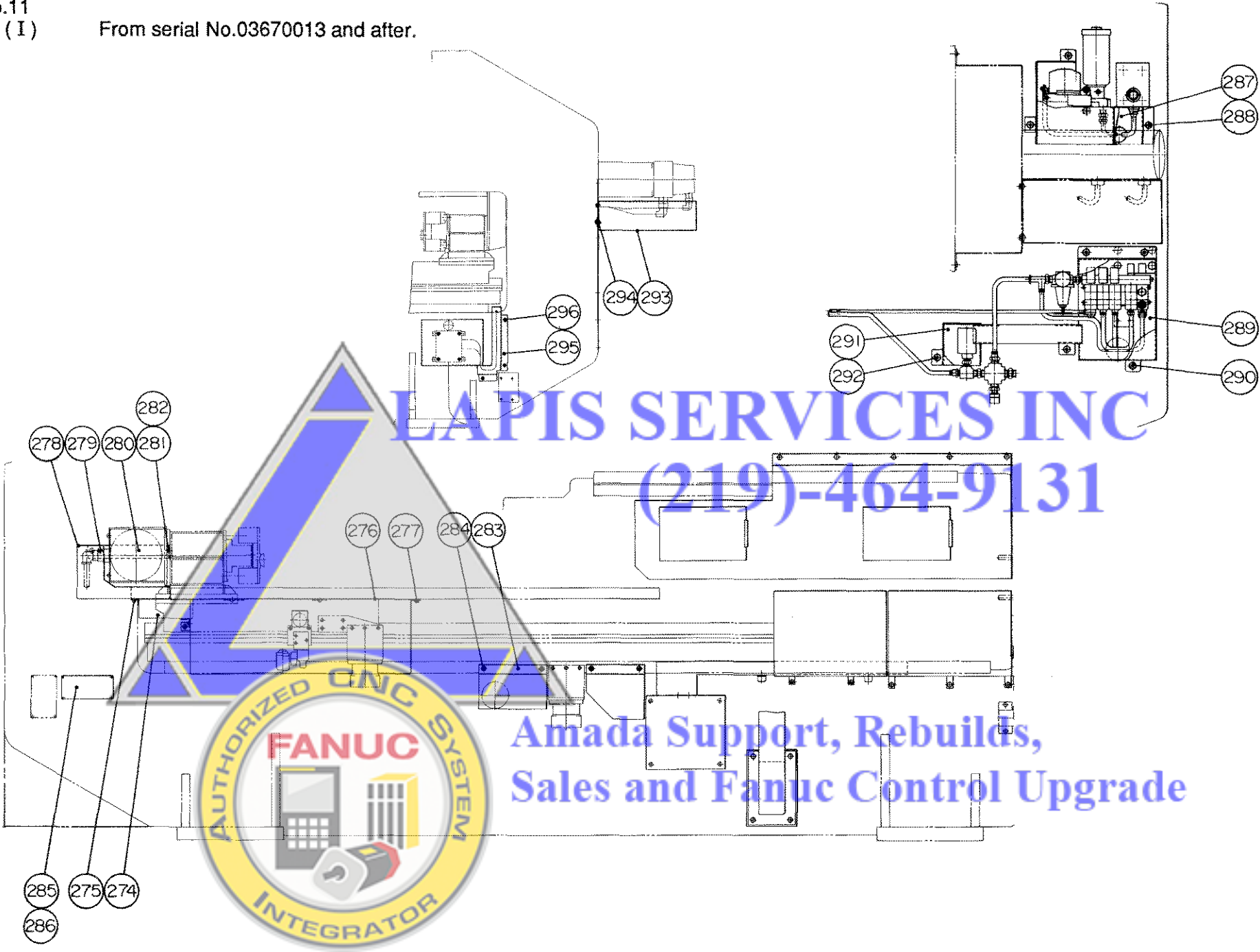
Electric (I)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
236	74307518	Vertical duct	828864a	1	
237	74302812	Cap screw	M6 x 10	1	
238	74307417	Direction packing	828698	2	
239	74300606 (44235241)	Cap screw	M8 x 20	8	
240	74300518 (10001521)	Spring washer	M8	8	
241	74300511	Washer	M8	16	
242	74300504 (10001517)	Nut	M8	8	
243	74307320	Tilting duct	6013167	1	
244	74307602	Cap screw	M6 x 16	6	
245	74300517 (44027928)	Spring washer	M6	6	
246	74302328 (44027930)	Washer	M6	6	
247	74307017	Duct cover	818672	1	
248	74307021	H.O.duct	818673	1	
249	74307001	H.I.duct	818614	1	
250	74307502	Outer telescope	828831	1	
251	74302812	Cap screw	M6 x 10	1	
252	74307506	Inner telescope	831373	1	
253	74307005	Bracket	818616	4	
254	74302812	Cap screw	M6 x 10	4	
255	74300517 (44027928)	Spring washer	M6	4	
256	74302328 (44027930)	Washer	M6	4	
257	74307025	Connection duct	818674a	1	
258	74307420	Connection packing	828699a	1	
259	74300604	Cap screw	M6 x 15	8	
260	74300517 (44027928)	Spring washer	M6	8	
261	74302328 (44027930)	Washer	M6	8	
262	74307508	Stopper	828833	4	
263	74307513	Push rod	828838	4	
264	74307629	Wing bolt	M4 x 25	8	
265	74300515 (44027327)	Spring washer	M4	8	
266	74300510	Washer	M4	8	
267	74306819	Rubber packing	383322a L= 140	4	
268	74306820	Rubber packing	38322a L= 145	2	
269	74307326	Duct earth cable (B)	828723	3	
270	74307325	Duct earth cable	828724	3	
271	74307327	Duct earth cable (C)	828726	3	
272	44027732	Pan head machine screw	M6 x 12	13	
273	74307609	Toothed lock washer	AZ-6	13	

Unit No.11
Electric (I)

From serial No.03670013 and after.



Unit No. 11

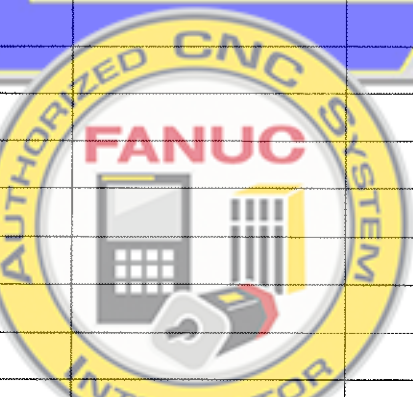
Electric (I)

From serial No.03670013 and after.

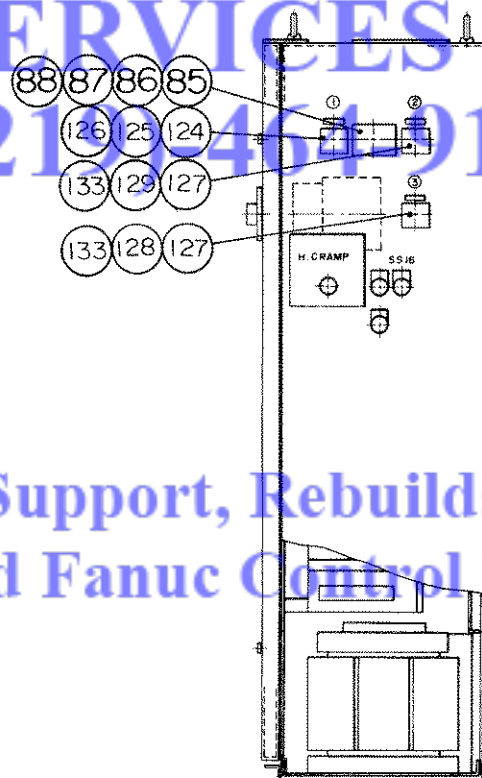
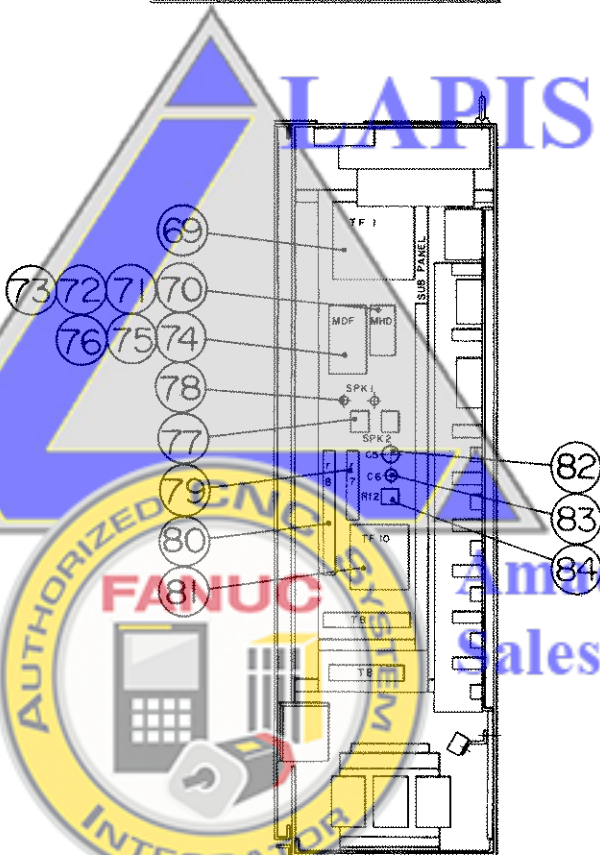
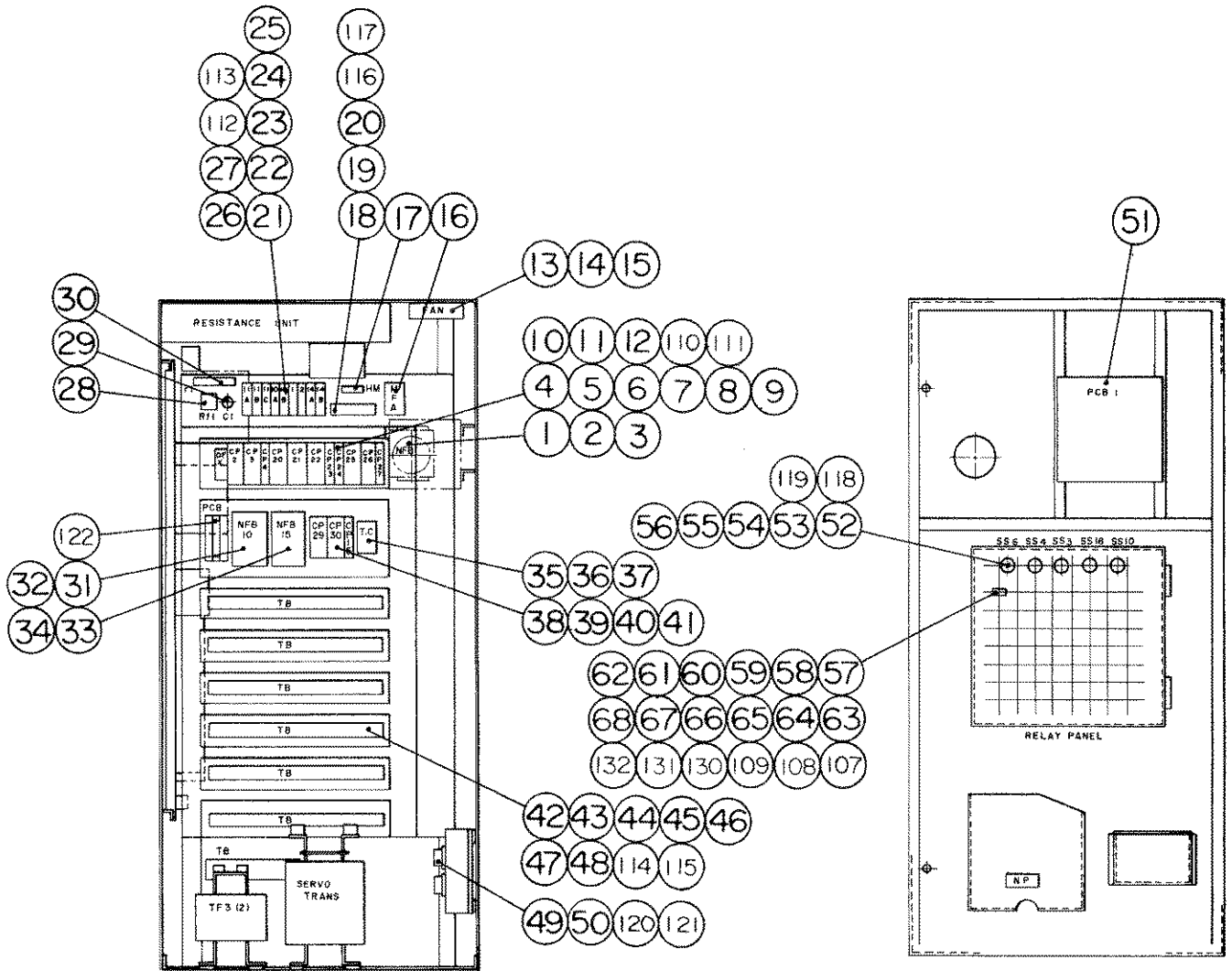
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
274	74307239	X-axis motor cable cover (A)	6013131a	1	
275	74315324 (10442842)	Truss head machine screw	M8 x 12	3	
276	74307238	X-axis motor cable cover (B)	6510110	1	
277	74315324 (10442842)	Truss head machine screw	M8 x 12	4	
278	74307241	X-axis motor cable cover (C)	6013132a	1	
279	74315324 (10442842)	Truss head machine screw	M8 x 12	3	
280	74307266	Support	820346	1	
281	74300606 (44235241)	Cap screw	M8 x 20	2	
282	74300511	Washer	M8	2	
283	74307255	Duct cable cover	6510111	1	
284	74315324 (10442842)	Truss head machine screw	M8 x 12	2	
285	74307416	Legend plate (motor model)	818977	1	
286	74307916	Drive screw rivet	Φ2 L= 4.8	4	
287	74307252	Lub. motor cover	821411a	1	
288	74315324 (10442842)	Truss head machine screw	M8 x 12	3	
289	74307263	Solenoid cable cover	821412	1	
290	74315324 (10442842)	Truss head machine screw	M8 x 12	3	
291	74307235	Pressure switch cover	821413	1	
292	74315324 (10442842)	Truss head machine screw	M8 x 12	2	
293	74307246	Y-axis motor cable cover	6013133	1	
294	74315324 (10442842)	Truss head machine screw	M8 x 12	4	
295	74307258	Junction box cable cover	6013136	1	
296	74315324 (10442842)	Truss head machine screw	M8 x 12	3	

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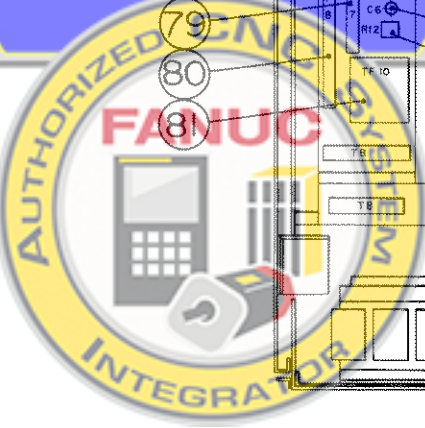


Amada Support, Rebuilds,
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Media Support, Rebuilds,
Sales and Fanuc Control Upgrade



Unit No. 12

Electric (II)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74308301 (74164402)	Circuit breaker (NFB)	EA63/60	1	
2	74307527	Insulating plate	A1-33	1	
3	74307806	Lever	N-3A	1	
4	74308535	Circuit protector (CP2)	CP32E5/ AC	1	
5	74308536	Circuit protector (CP3)	CP32E/1WD AC	1	
6	74308537	Circuit protector (CP4)	CP31E/5DDC DC	1	
7	74308538	Circuit protector (CP-20,21,22)	CP32E/05W AC	3	
8	74308539	Circuit protector (CP23)	CP31E/0.25W AC	1	
9	74308540	Circuit protector (CP24)	CP31E/1W AC	1	
10	74308541	Circuit protector (CP25,26)	CP32E/1W AC	2	
11	74306829 (74342818)	Socket	CP-S1A	3	
12	74306830 (74342817)	Socket	CP-S2C	7	
13	74308101 (74164525)	Fan	CT3B55	1	
14	74307211	Cable	#16415	1	
15	74308104	Guard	#20132-2	2	
16	74308322	Magnet contactor (MFA)	SRC3631-0 coil AC100V 4a	1	
17	74308519	Hour meter (HM)	TM-25 AC100V 2000 hours	1	
18	74308429	Noise filter (VAR2)	Z10L221	10	
19	74307911	Plate	10P	2	
20	74308415	Resistor (r3)	1.2k Ω 1W	6	
21	74308524 (74342524)	Fuse (Fu10A,B)	ATMA6Y-2, 10A (200/230V)	2	
22	74308525 (74342523)	Fuse (Fu10A,B)	ATMA6Y-2,5A (400/460V)	2	
23	74308522	Fuse (Fu1)	TRM-2 2A	1	
24	74308528	Fuse holder	#30321	3	
25	74308520	Fuse (Fu14AB)	ATM-5 200/230V	2	
26	74308521	Fuse (Fu14AB)	ATM-3 400/460V	2	
27	74308529	Fuse holder	#30312	1	
28	74308404	Rectifier (Rf1)	DS10BNL	1	
29	74308406 (74164126)	Condenser (C1)	2200 μ F 50WV	1	
30	74308411 (74164203)	Resistor (R1)	100 Ω 20W	1	
31	74308302	Circuit breaker (NFB10)	EA53/50W 200/230V	1	
32	74308303	Circuit breaker (NFB10)	EA53/30W 400/460V	1	
33	74308335	Circuit breaker (NFB15)	SA33/15 200/230V	1	
34	74308336	Circuit breaker (NFB15)	SA33/10 400/460V	1	
35	74308425	Thermal controller (TC)	RYEHA11-Y Pt-100 Ω 0~50°C	1	
36	74306831	Socket	TP28X	1	
37	74307816	Clip	FX-4	1	
38	74308543	Circuit protector (CP-15)	CP31E/5W DDC	1	
39	74308541	Circuit protector (CP-29,30)	CP32E/1W	2	
40	74306829 (74342818)	Socket	CP-S1A	1	

Unit No. **12**
Electric (II)

From serial No.03670013 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
41	74306830 (74342817)	Socket	CP-S2C	2	
42	74308112	Block terminal (TB)	F25/4	2	
43	74308136	Block terminal (TB)	F15/10	1	
44	74308137	Block terminal (TB)	F15/33	1	
45	74308140	Block terminal (TB)	MF333/46	3	
46	74308139	Block terminal	F15/16P	1	
47	74308142	Block terminal	MF333/14P	1	
48	74307729	Lug terminal	22-S6	4	
49	74308206	Connector (TM-1,2,3)	206306-1	3	
50	74306813	Socket	66101-2	97	
51	74308561	P.C.B.(PCB1)		1	
52	74308511	Select switch (SS-4,-6)	AH30-P2B10	2	
53	74308510	Select switch (SS-3)	AH30-P2B01	1	
54	74307735	Sticker	S-52024	1	
55	74308511 (74347801)	Select switch (SS10)	AH30-P2B10	1	
56	74307741	Sticker	S-54230	1	
57	74308418 (74164022)	Control relay	HH62P DC24V	11	
58	74306814	Socket	TP68	10	
59	74308417 (74164018)	Control relay	HH54PW DC24V	8	
60	74306816	Socket	TP514	8	
61	74308422 (74163623)	Diode	SIB01-02	19	
62	74308423	Diode	SIB01-06	1	
63	74307830 (10569428)	Rail	TH35-7.5AL L= 400	1	
64	74306817	Socket	TP68X	1	
65	74308418 (74164022)	Control relay	HH62P DC24V	9	
66	74306814	Socket	TP68	9	
67	74308422 (74163623)	Diode	SIB01-02	9	
68	74308429 (71108415)	Noise filter	Z10L221	1	
69	74308330	Transformer (TF1)	†1 830VA,0-200-230-350V,0-200-230V †0-100V,0-18-20-22V,0-30V,0-200-220V	1	
70	74308308	Magnet switch (MHD)	SRC3931-0 coil AC100V 5~8A 200/230V	1	
71	74308309	Magnet switch (MHD)	SRC3931-0 coil AC100V 2.2~3.6A 400/460V	1	
72	74308431	Noise filter	DCR2-50A22	1	
73	74308432	Noise filter	DCR4-60A55	1	
74	74308310	Magnet switch (MDF)	SW-1N coil AC100V 18-26A 200/230V	1	
75	74308311	Magnet switch (MDF)	SW-1N coil AC100V 9-13A 400/460V	1	
76	74308428 (74164321)	Noise filter	ENB221C-14A	1	
77	74308432	Noise filter (SPK2)	DCR4-60A-55	1	
78	74308431	Noise filter (SPK1)	DCR2-50A-22	1	
79	74308413	Resistor (r7)	1 kΩ 50W	1	
80	74308414	Resistor (r8)	70Ω 150W	1	

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
81	74308331	Transformer (TF10)	91 150VA 0-200-230-350V, 0-200-230V/53V (3A)	1	
82	74308407	Condenser (C5)	4700μF 100V	1	
83	74308408	Condenser (C6)	47μF 250V	1	
84	74308404	Rectifier (Rf2)	DS10BNL	1	
85	74308533 (74340951)	LED	BD1401R	2	
86	74308534 (74340952)	LED	BD1403A	1	
87	74307740	Sticker	S-54434	1	
88	74308415	Resistor	1.2 kΩ 1W	3	
89	74308150	Cable (EM OUT)	VCT,1.25 mm ² x 2c L= 3 m	1	
90	74308150	Cable (EM IN)	VCT,1.25 mm ² x 2c L= 2.5 m	1	
91	74308151	Cable (H1)	VCT 2 mm ² L= 9 m	1	
92	74307730	Lug terminal	F2-4	16	
93	74308152	Cable (H2)	VCT 1.25 mm ² x 4c L=9 m	1	
94	74307727	Lug terminal	F1.25-3.5	8	
95	74308153	Cable (H3)	VCT 0.75 mm ² x 3c L= 14m	1	
96	74307727	Lug terminal	F1.25-3.5	3	
97	74307710	S.C.lock	SCL-18A	1	
98	74307711	S.C.lock	SCL-14A	1	
99	74307749 (74326501)	Sticker (electrical box)	AS-K1000A)	1	
100	74307750 (74326502)	Sticker (door)	AS-K1000B	1	
101	74307755 (74326506)	Sticker (door)	AS-K1005B	1	
102	74307751 (78185224)	Sticker (voltage)	AS-K1000C	1	
103	74307754 (78185225)	Sticker (wiring)	AS-K1001H	1	
104	74307753 (78185227)	Sticker (ground)	AAS-K1001G	1	
105	74307752 (78185228)	Sticker (ground)	AS-K1001F	1	
106	74307743	Sticker (fuse)	S-53638-1	1	
	Auto-index (option)				
107	74308418 (74164022)	Control relay	HH62P DC24V	2	
108	74306814	Socket	TP68	2	
109	74308422 (74163623)	Diode	SIB01-2	2	
110	74308542	Circuit protector (CP10)	CP32E/1WD 1A	1	
111	74306830 (74342817)	Socket	CP-S2C	1	
112	74308522	Fuse (TRM-2)	2A	1	
113	74308528	Fuse holder	30321 1P	1	
114	74308141	Block terminal (TB)	MF333/16	1	
115	74308138	Block terminal (TB)	F15/2	1	
116	74307911	Plate	10P	1	
117	74308429 (71108415)	Noise filter	Z10L221	2	
118	74308511 (74347801)	Select switch (SS-18)	AH30-P2B10	1	

Electric (II)

From serial No.03670013 and after.

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